SONY

VIDEO PROJECTOR

VPL-HS60
VPL-HS51A

REMOTE COMMANDER
RM-PJHS50

SERVICE MANUAL
1st Edition

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

警告

電池は，間違ったタイプと交換した場合，破裂の危険がある。
使用済み電池は，地域のルールに従って処分すること。

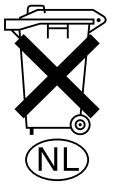
CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE RULE IN REGION.

For the customers in the Netherlands
Voor de klanten in Nederland

Hoe u de batterijen moet verwijderen, leest u in de tekst van deze handleiding.

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).



Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert “Batterie leer” oder nach längerer Gebrauchsdauer der Batterien “nicht mehr einwandfrei funktioniert”. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

Table of Contents

1. Service Overview

1-1. External View 1-1
1-2. Board Location 1-1
1-3. Removing/Installing the Cabinet 1-2
1-3-1. Base Assembly 1-2
1-3-2. Front Panel (D) Assembly/Front Panel (U) Assembly 1-2
1-3-3. Rear Cover/Rear Panel 1-3
1-4. Replacing the Board 1-4
1-4-1. C Board 1-4
1-4-2. GA Board 1-6
1-4-3. GB Board 1-7
1-4-4. U Board 1-7
1-4-5. V Board 1-8
1-4-6. Lamp Power Supply Board 1-8
1-4-7. F Board 1-9
1-4-8. HA Board/HB Board/L Board 1-10
1-4-9. Q Board (VPL-HS51A) 1-11
1-5. Replacing the Main Parts 1-11
1-5-1. DC Fan (for GA/GB unit) 1-11
1-5-2. Lamp Assembly 1-12
1-5-3. Optical Block Assembly 1-12
1-5-4. DC Fan (for Lamp) 1-13
1-5-5. DC Fan (for Lamp Power Supply) and TA Board 1-13
1-5-6. Prism Block and WV Plate (1), (2) 1-14
1-5-7. Lens Unit 1-15
1-5-8. Unit Assembly 1-16
1-5-9. Unit Assembly Parts Orientation 1-17
1-5-10. Extension Board and Extension Connectors 1-18
1-5-11. Extension Board and Extension Connectors Connection 1-19
1-6. Unleaded Solder 1-20
1-7. Service Knowhow 1-20
1-7-1. After Replacing the Prism Block 1-20
1-7-2. After Replacing the Board 1-20
1-8. Memory 1-22
1-9. Warning on Power Connection 1-24

2. Electrical Adjustments

2-1. Preparations 2-1
2-1-1. Required Equipment 2-1
2-1-2. Factory Mode Setting 2-1
2-2. V COM Adjustment 2-1
2-3. Adjustment Item Initialize Data 2-2
2-4. White Balance Adjustment on Servicing 2-16
2-4-1. Computer 2-16
2-4-2. Video 2-17

3. Semiconductors

4. Spare Parts

4-1. Notes on Repair Parts 4-1
4-2. Exploded Views 4-2
4-3. Electrical Parts List 4-9
4-4. Packing Materials & Supplied Accessories 4-31

5. Block Diagrams

Overall 5-2

6. Schematic Diagrams

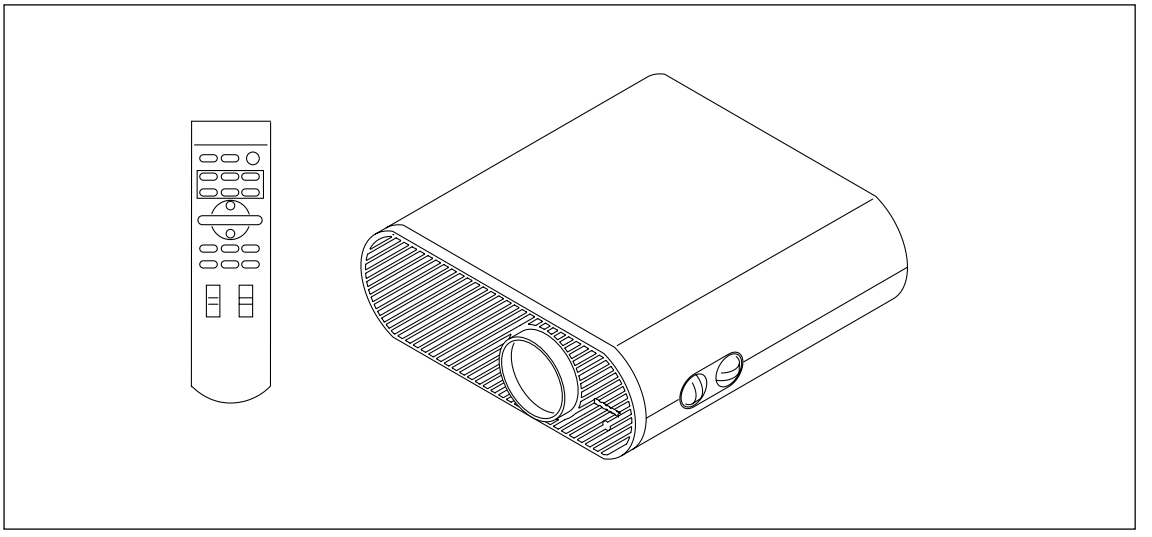
C 6-2
F 6-26
GA 6-27
GB 6-30
HA 6-32
HB 6-33
L 6-34
NF 6-34
TA 6-34
U 6-34
V 6-34
Q (VPL-HS51A) 6-35
Frame Wiring 6-38

7. Board Layouts

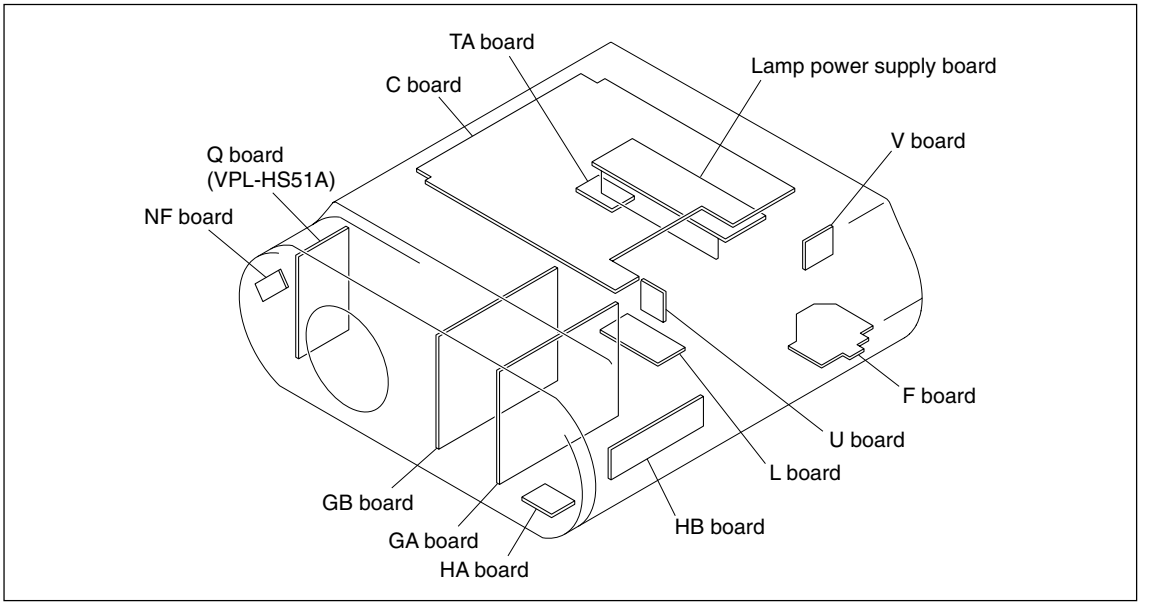
C 7-2
GA 7-4
GB 7-5
F 7-6
HA 7-6
HB 7-6
L 7-6
NF 7-6
Q (VPL-HS51A) 7-7
TA 7-7
U 7-7
V 7-7

Section 1
Service Overview

1-1. External View



1-2. Board Location



1-3. Removing/Installing the Cabinet

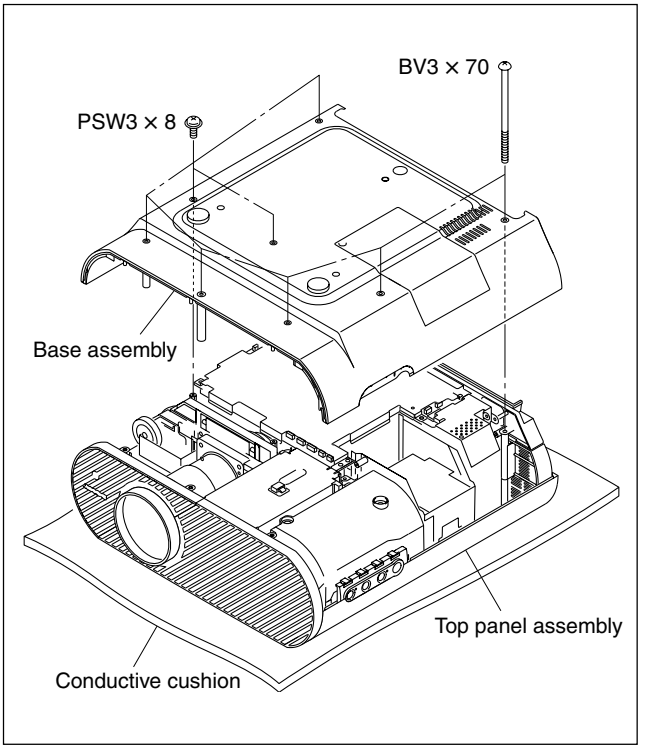
Note

When removing/installing or replacing the parts, place the unit on the conductive cushion with the top panel assembly down.

1-3-1. Base Assembly

Removal

1. Remove the six special screws (BV3 × 70) and two screws (PSW3 × 8), then remove the base assembly.



Installation

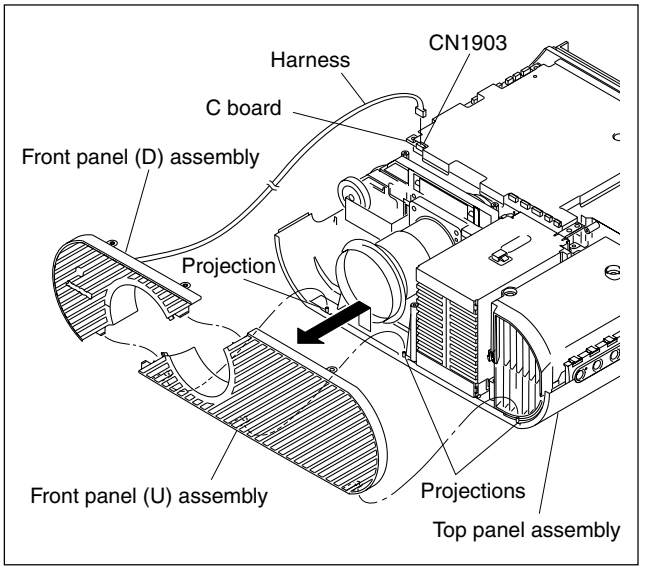
2. Attach the base assembly.

1-3-2. Front Panel (D) Assembly/Front Panel (U) Assembly

Removal (VPL-HS60)

1. Remove the base assembly. (Refer to Section 1-3-1.)

2. Disconnect the harness from the connector (CN1903) on the C board, then remove the front panel (D).
3. Remove the front panel (U) assembly from the three projections of the top panel assembly in the direction shown by the arrow.



Installation (VPL-HS60)

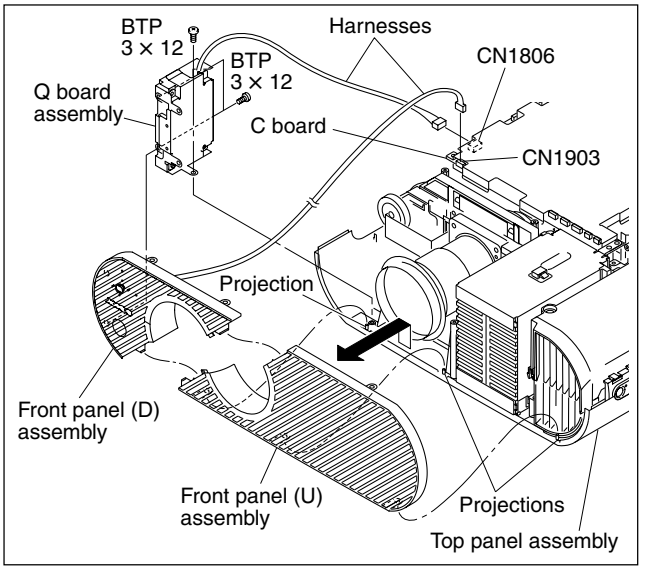
4. Attach the front panel (D) assembly and front panel (U) assembly in the reverse order of steps 2 and 3.

5. Attach the base assembly.

Removal (VPL-HS51A)

1. Remove the base assembly. (Refer to Section 1-3-1.)

2. Remove the screw and disconnect the two harnesses from the connector (CN1806, 1903) on the C board, then remove the front panel (D).
3. Remove the two screws, them remove the Q board assembly.
4. Remove the front panel (U) assembly from the three projections of the top panel assembly in the direction shown by the arrow.



Installation (VPL-HS51A)

5. Attach the front panel (D) assembly and front panel (U) assembly in the reverse order of steps 2 to 4.

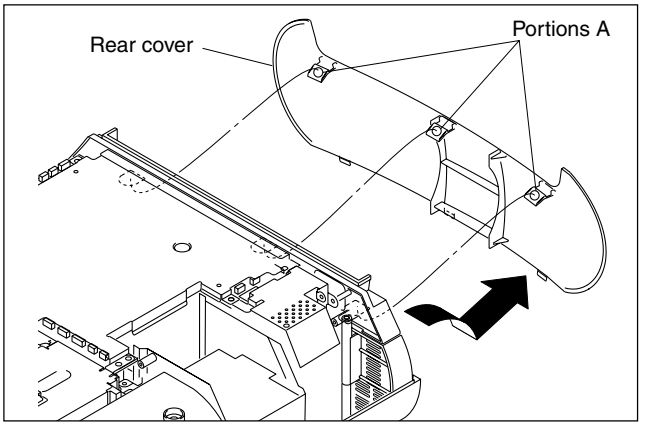
6. Attach the base assembly.

1-3-3. Rear Cover/Rear Panel

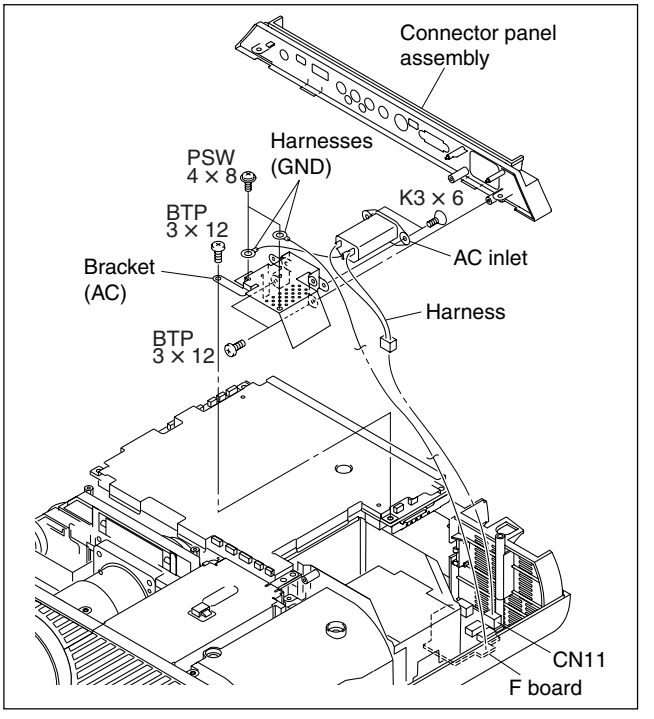
Removal

1. Remove the base assembly. (Refer to Section 1-3-1.)

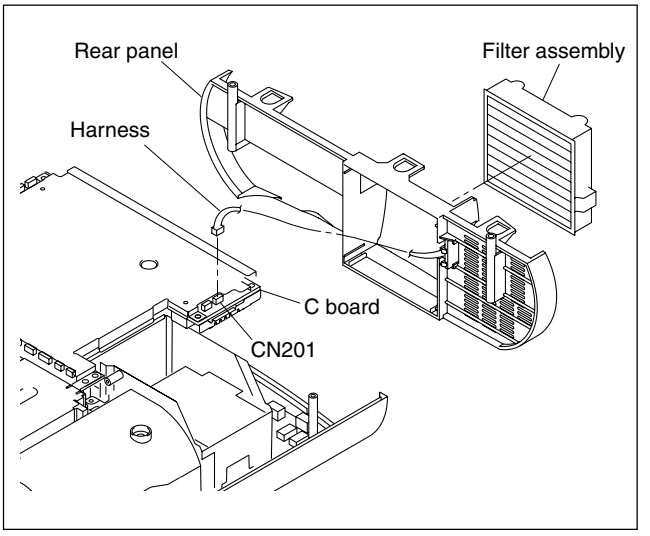
2. Push the three portions A of the rear cover, then remove the rear cover in the direction shown by the arrow.



3. Remove the screw (BTP3 × 12), then remove the connector panel assembly.
4. Disconnect the harness from the connector (CN11) on the F board.
5. Remove the two screws (BTP3 × 12), then remove the bracket (AC).
6. Remove the two screws (PSW4 × 8), then disconnect the two harnesses (GND) from the bracket (AC).
7. Remove the two screws (K3 × 6), then remove the AC inlet.



8. Disconnect the harness from the connector (CN201) on the C board.
9. Remove the filter assembly.
10. Remove the rear panel.



Installation

11. Attach the rear cover and the rear panel in the reverse order of steps 2 to 10.

12. Attach the base assembly.

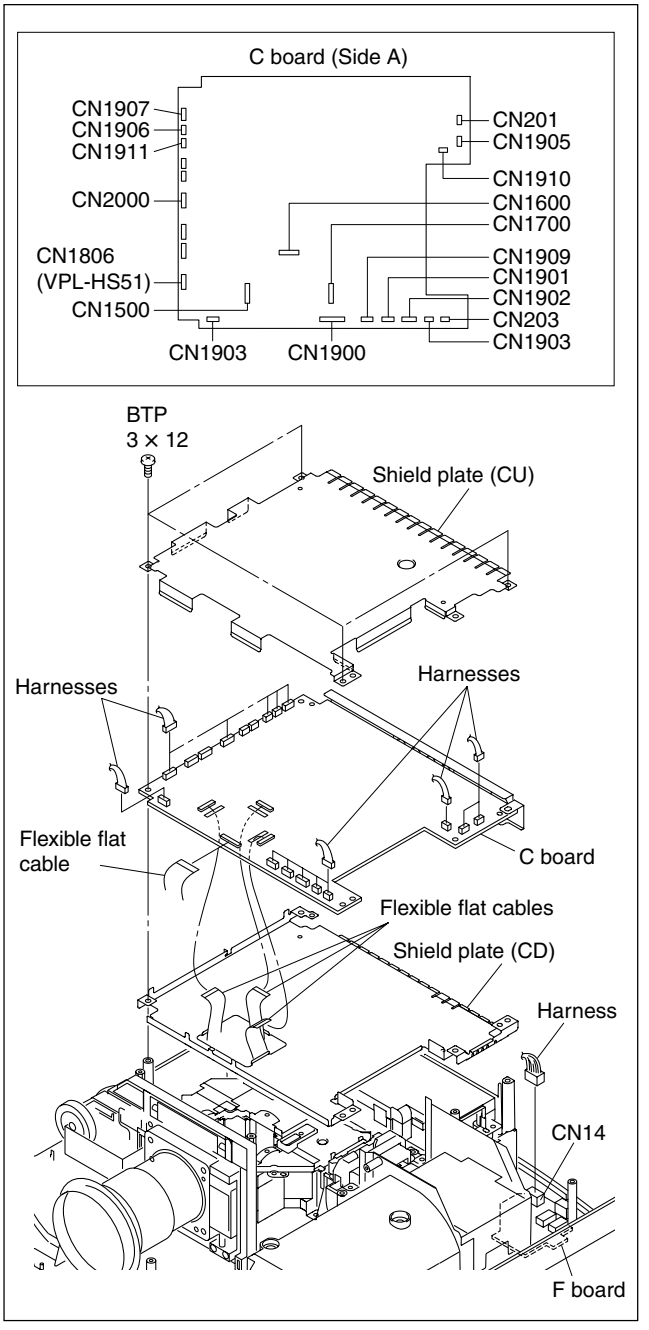
1-4. Replacing the Board

1-4-1. C Board

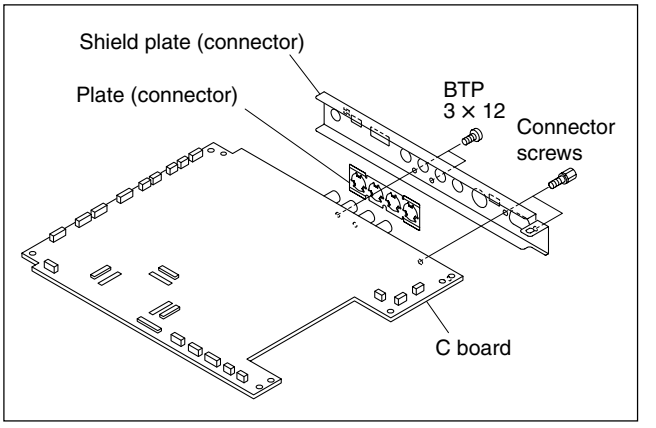
Removal

1. Remove the base assembly. (Refer to Section 1-3-1.)
2. Remove the rear cover and connector panel assembly. (Refer to steps 2 to 4 of Section 1-3-3.)

3. Remove the four screws and disconnect the harness from the connector (CN14) on the F board.
4. Remove the shield plate (CU).
5. Disconnect all harnesses and flexible flat cables from the connectors on the C board, then remove the C board.
6. Remove the shield plate (CD) from the C board.



7. Remove the two screws and two connector screws, then remove the shield plate (connector) and plate (connector).



Installation

8. Install the C board in the reverse order of steps 3 to 7.

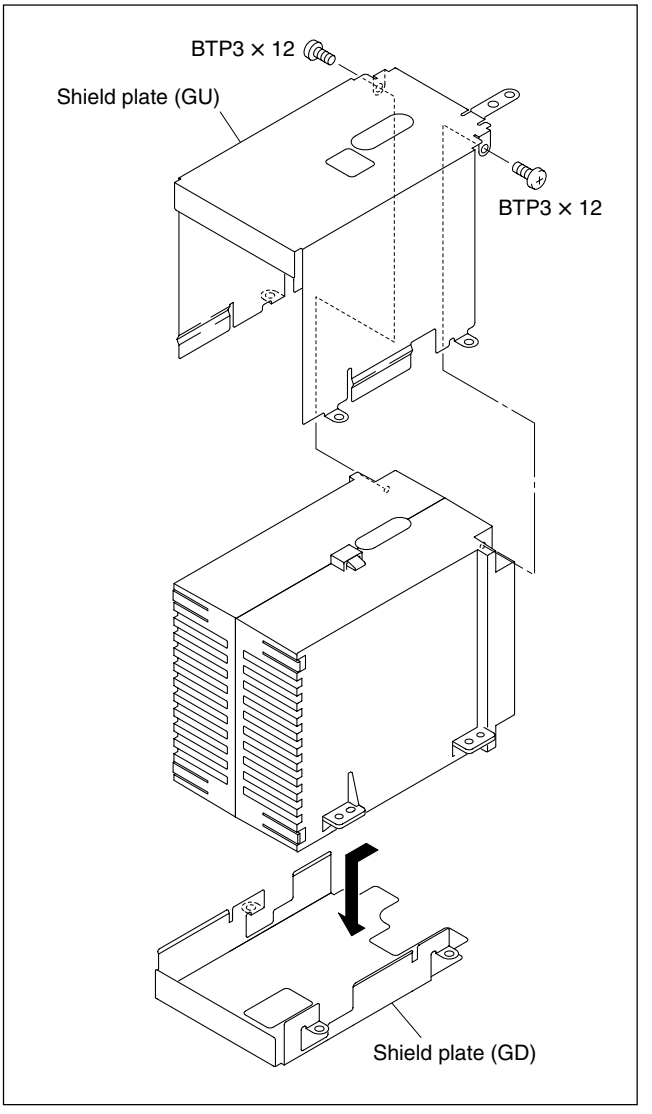
9. Assemble this unit in the reverse order of steps 1 and 2.

1-4-2. GA Board

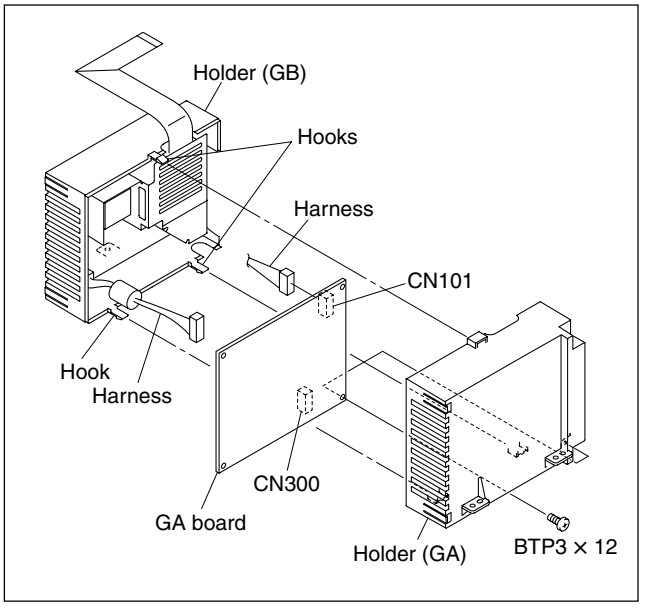
Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)
5. Remove the lamp house.
   (Refer to step 5 of Section 1-4-6.)
6. Remove the GA/GB unit.
   (Refer to step 7 of Section 1-4-8.)

7. Remove the shield plate (GD) in the direction shown by the arrow.
8. Remove the two screws, then remove the shield plate (GU).



9. Remove the three hooks, then remove the holder (GB) from the holder (GA).
10. Disconnect the harness from the connector (CN300) on the GA board.
11. Remove the screw and disconnect the harness from the connector (CN101) on the GA board.



Installation

12. Install the GA board in the reverse order of steps 7 to 11.

Note

When attaching the holder (GA) and holder (GB), be careful not to catch the harness and flexible flat cable.

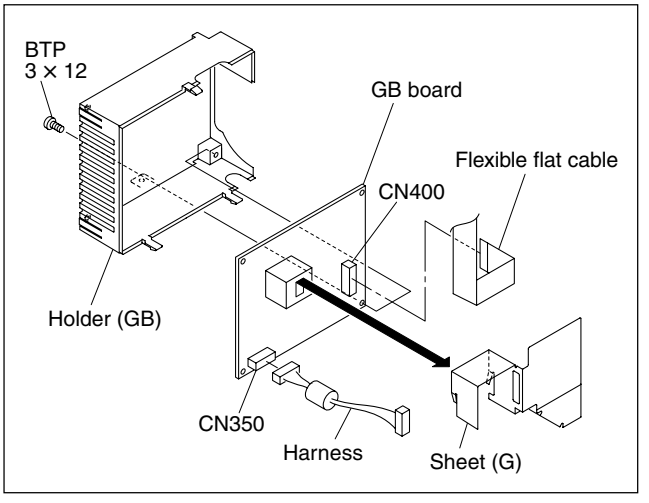
13. Assemble this unit in the reverse order of steps 1 to 6.

1-4-3. GB Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)
5. Remove the lamp house.
   (Refer to step 5 of Section 1-4-6.)
6. Remove the GA/GB unit.
   (Refer to step 7 of Section 1-4-8.)
7. Remove the holder (GA) and holder (GB).
   (Refer to steps 7 to 10 of Section 1-4-2.)

8. Remove the screw, then remove the GB board.
9. Remove the sheet (G) from the GB board in the direction shown by the arrow.
10. Disconnect the harness from the connector (CN350) on the GB board.
11. Disconnect the flexible flat cable from the connector (CN400) on the GB board.



Installation

12. Install the GB board in the reverse order of steps 8 to 11.

Note

When attaching the holder (GA) and holder (GB), be careful not to catch the harness and flexible flat cable.

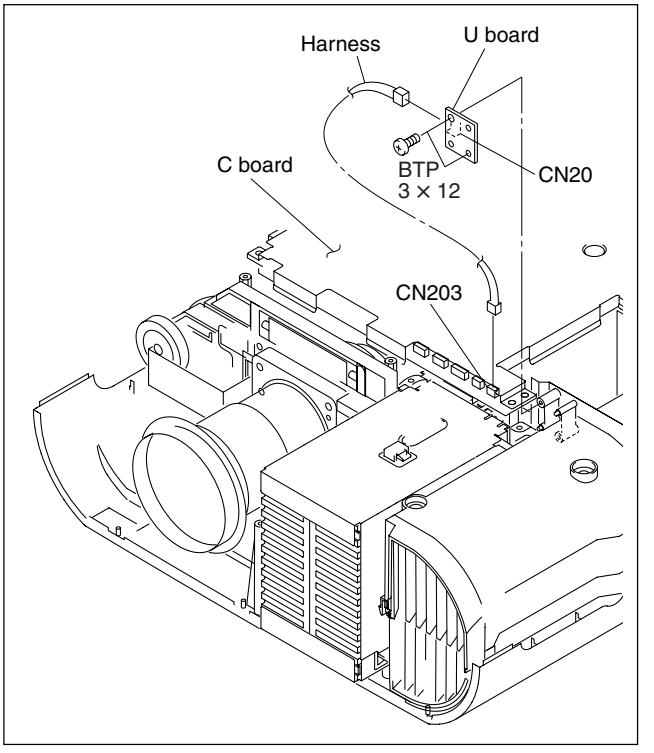
13. Assemble this unit in the reverse order of steps 1 to 7.

1-4-4. U Board

Removal

1. Remove the base assembly. (Refer to Section 1-3-1.)
2. Remove the front panel (D) assembly and front panel (U) assembly.
   (Refer to steps 2 and 3 of Removal (VPL-HS60) in Section 1-3-2.)
   (Refer to steps 2 to 4 of Removal (VPL-HS51A) in Section 1-3-2.)

3. Remove the two screws and disconnect the harness from the connector (CN203) on the C board, then remove the U board.
4. Disconnect the harness from the connector (CN20) on the U board.



Installation

5. Install the U board in the reverse order of steps 3 and 4.

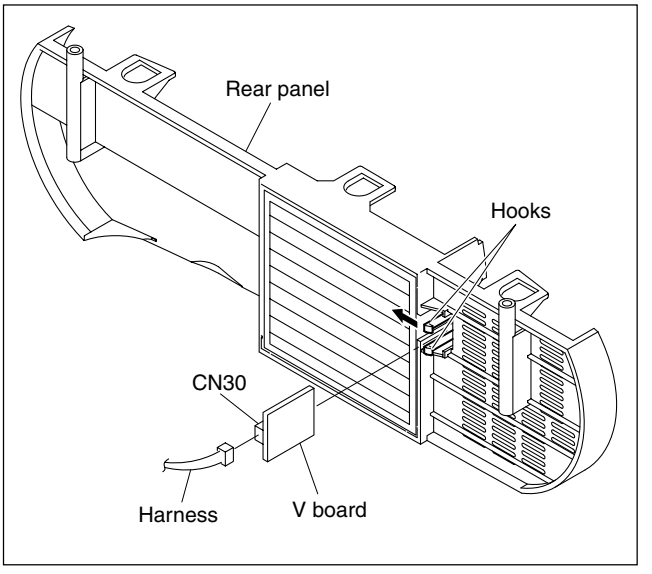
6. Assemble this unit in the reverse order of steps 1 and 2.

1-4-5. V Board

Removal

1. Remove the base assembly. (Refer to Section 1-3-1.)
2. Remove the rear cover and rear panel. (Refer to Section 1-3-3.)

3. Remove the two hooks of the rear panel, then remove the V board.
4. Disconnect the harness from the connector (CN30) on the V board.



Installation

5. Install the V board in the reverse order of steps 3 and 4.

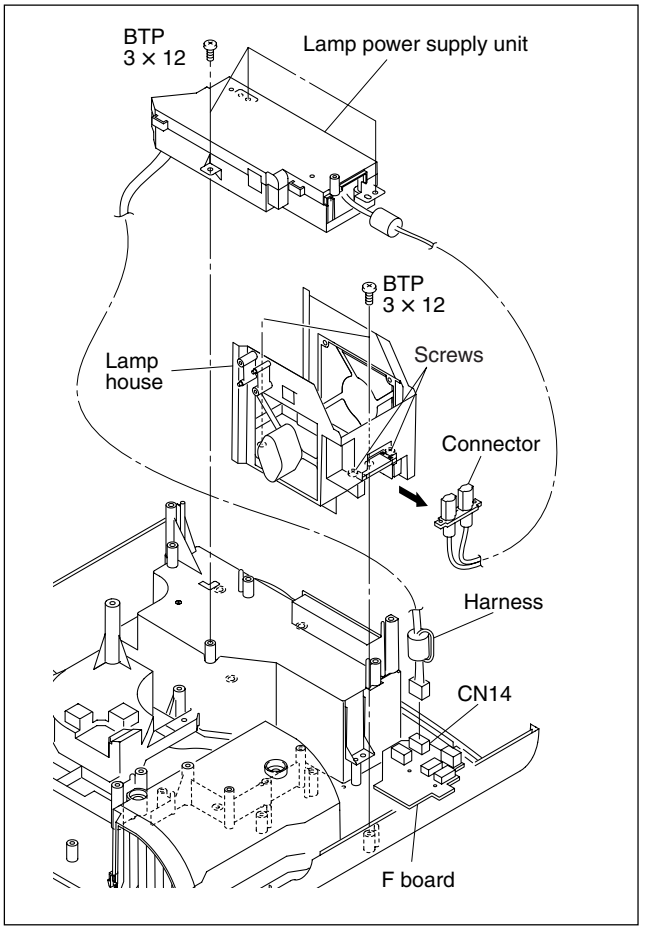
6. Assemble this unit in the reverse order of steps 1 and 2.

1-4-6. Lamp Power Supply Board

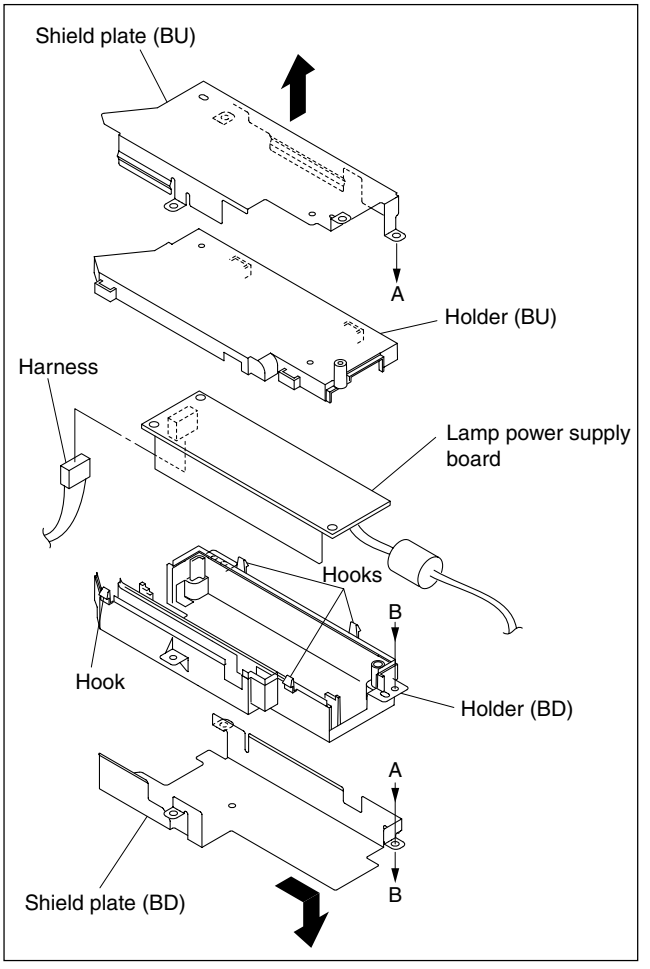
Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board. (Refer to steps 3 to 6 of Section 1-4-1.)
3. Remove the lamp assembly. (Refer to steps 2 and 3 of Section 1-5-2.)

4. Remove the three screws and disconnect the harness from the connector (CN14) on the F board, then remove the lamp power supply unit.
5. Remove the two screws, then remove the lamp house.
6. Loosen the two screws, then remove the connector.



7. Remove the shield plate (BD) in the direction shown by the arrow.
8. Remove the shield plate (BU) in the direction shown by the arrow.
9. Remove the four hooks of the holder (BD), then remove the holder (BU) and lamp power supply board.
10. Disconnect the harness from the connector on the lamp power supply board.



Installation

11. Install the lamp power supply board in the reverse order of steps 5 to 10.

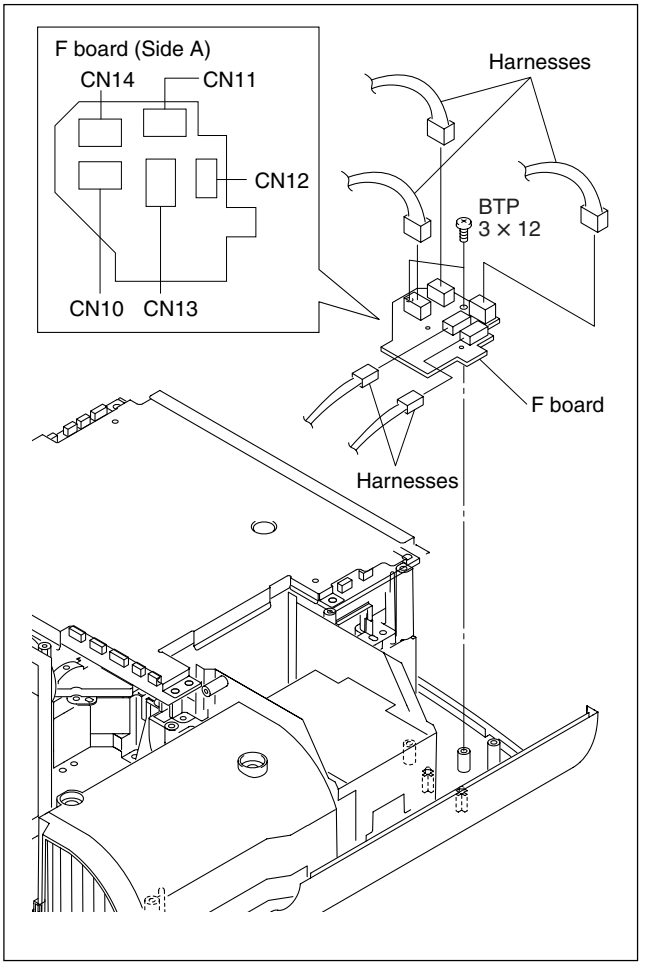
12. Assemble this unit in the reverse order of steps 1 to 4.

1-4-7. F Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)

2. Disconnect the five harnesses from the connector (CN10 to CN14) on the F board.
3. Remove the two screws, then remove the F board.



Installation

4. Install the F board in the reverse order of steps 2 and 3.

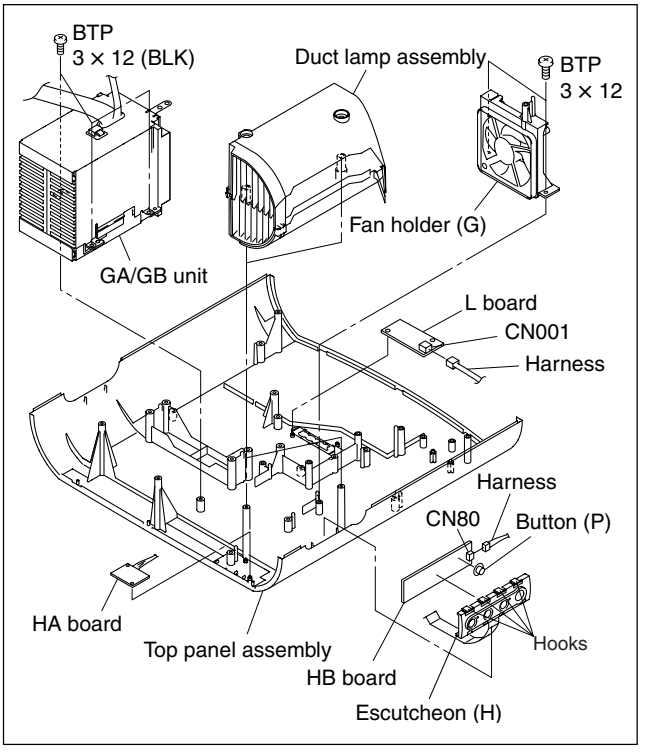
5. Attach the cabinet.

1-4-8. HA Board/HB Board/L Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)
5. Remove the lamp house.
   (Refer to step 5 of Section 1-4-6.)

6. Remove the duct lamp assembly.
7. Remove the three screws, then remove the GA/GB unit.
8. Remove the two screws, then remove the fan holder (G).
9. Remove the HA board.
10. Remove the escutcheon (H) from the top panel assembly.
11. Remove the four hooks, then remove the HB board.
12. Disconnect the harness from the connector (CN80) on the HB board.
13. Remove the button (P) from the HB board.
14. Remove the L board.
15. Disconnect the harness from the connector (CN001) on the L board.



Installation

16. Install the HA board, HB board and L board in the reverse order of steps 6 to 15.

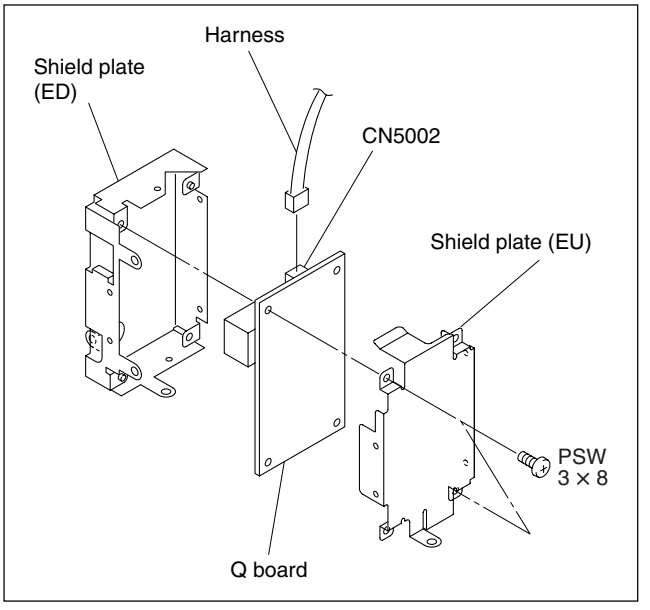
17. Assemble this unit in the reverse order of steps 1 to 5.

1-4-9. Q Board (VPL-HS51A)

Removal

1. Remove the base assembly. (Refer to Section 1-3-1.)
2. Remove the front panel (D) assembly.
   (Refer to steps 2 to 4 of Removal (VPL-HS51A) in Section 1-3-2.)

3. Remove the two screws, then remove the Q board.
4. Disconnect the harness from the connector (CN5002) on the Q board.



Installation

5. Install the Q board in the reverse order of steps 3, 4.

6. Assemble this unit in the reverse order of steps 1 and 2.

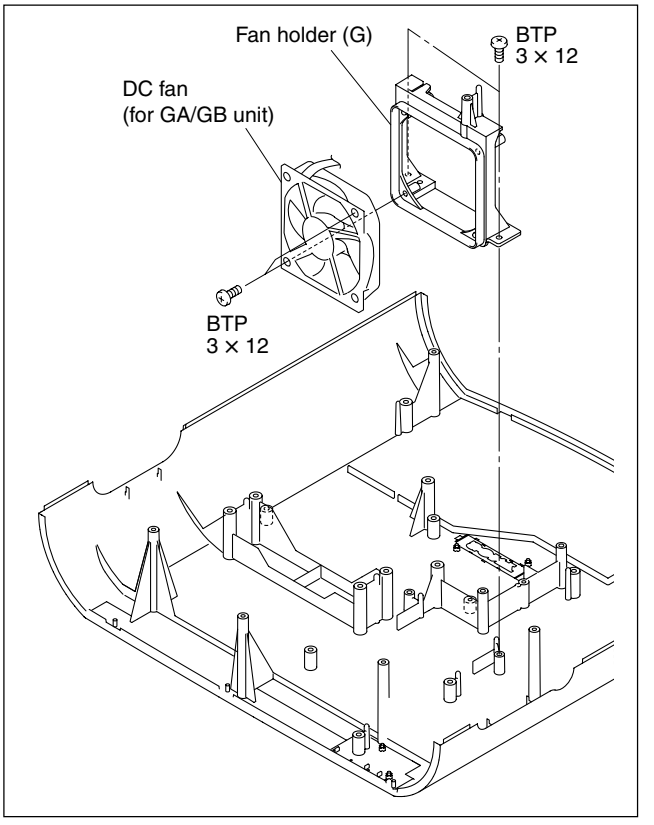
1-5. Replacing the Main Parts

1-5-1. DC Fan (for GA/GB unit)

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)
5. Remove the lamp house.
   (Refer to step 5 of Section 1-4-6.)
6. Remove the duct lamp assembly.
   (Refer to step 6 of Section 1-4-8.)

7. Remove the two screws, then remove the fan holder (G).
8. Remove the two screws, then remove the DC fan (for GA/GB unit).



Installation

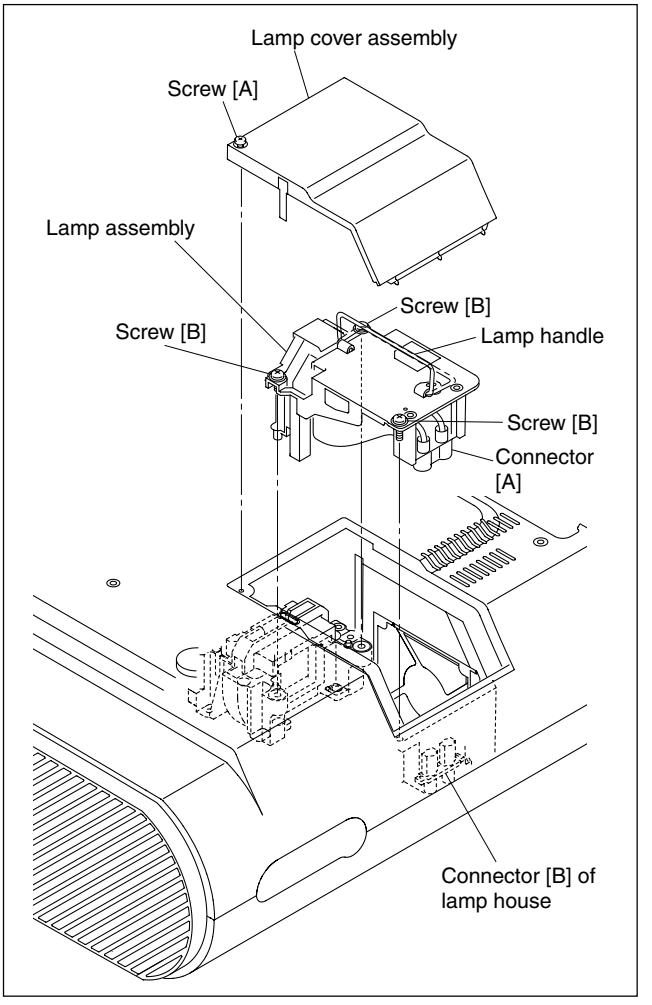
9. Attach the DC fan (for GA/GB unit) in the reverse order of steps 7 and 8.

10. Assemble this unit in the reverse order of steps 1 to 6.

1-5-2. Lamp Assembly

Removal

1. Loosen the screw [A], then remove the lamp cover assembly.
2. Loosen the three screws [B].
3. Hold the lamp handle, then lift the lamp assembly slowly.



Installation

4. Attach the lamp assembly in the reverse order of steps 1 to 3.

Note

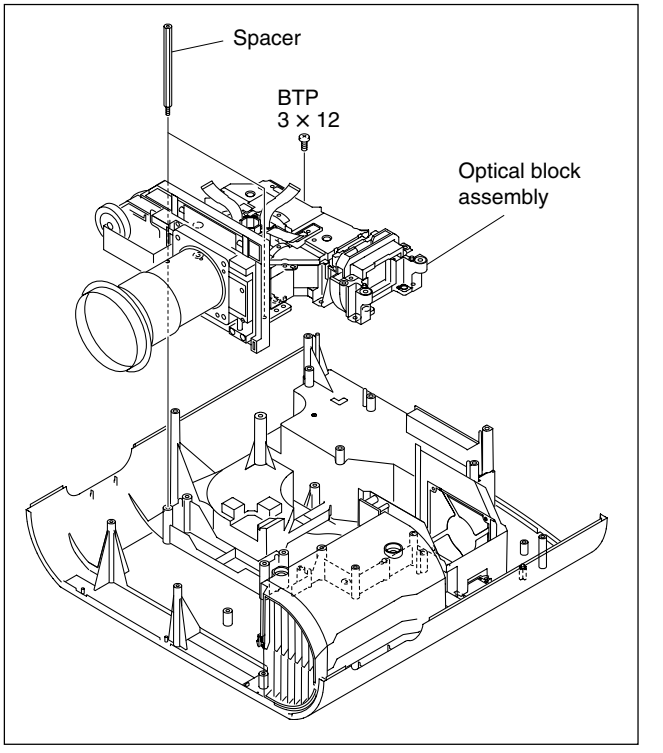
When attaching the lamp assembly, be sure to securely insert the connector [A] of the lamp assembly into the connector [B] of the lamp house.

1-5-3. Optical Block Assembly

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 6 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the lamp power supply board.
   (Refer to steps 4 to 10 of Section 1-4-6.)

5. Remove the screw and two spacers, then remove the optical block assembly.



Installation

6. Attach the optical block assembly in the reverse order of step 5.

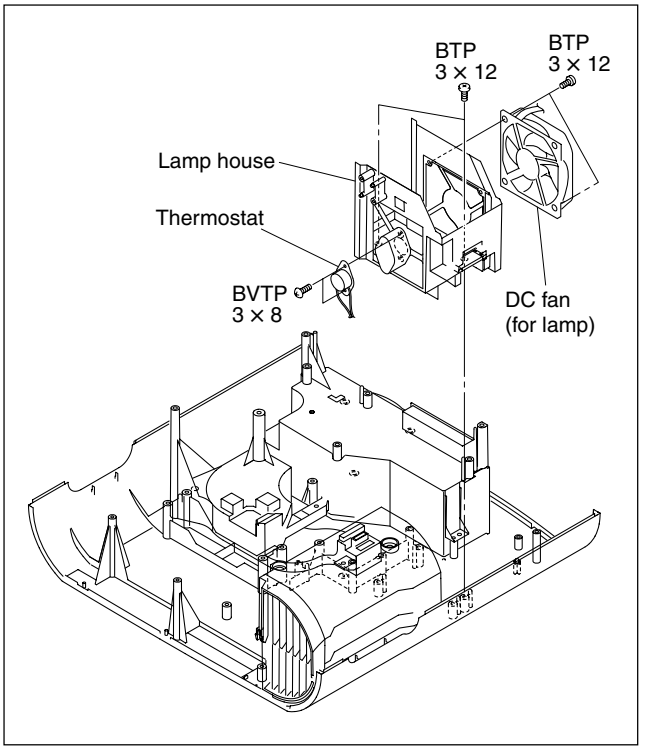
7. Assemble this unit in the reverse order of steps 1 to 4.

1-5-4. DC Fan (for Lamp)

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 6 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the lamp power supply unit.
   (Refer to step 4 of Section 1-4-6.)
5. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)

6. Remove the two screws (BTP3 × 12), then remove the lamp house.
7. Remove the two screws (BTP3 × 12), then remove the DC fan (for lamp).
8. Remove the two screws (BVTP3 × 6), then remove the thermostat.



Installation

9. Attach the DC fan (for lamp) in the reverse order of steps 5 to 7.

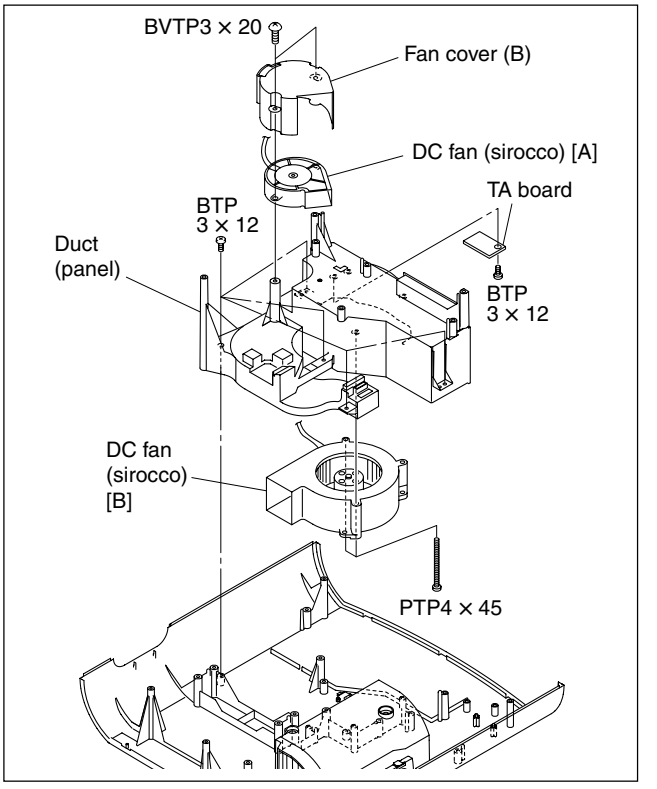
10. Assemble this unit in the reverse order of steps 1 to 4.

1-5-5. DC Fan and TA Board

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the lamp power supply board.
   (Refer to step 4 to 10 of Section 1-4-6.)
5. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)

6. Remove the two screws (BVTP3 × 20), then remove the fan cover (B) and DC fan (Sirocco) [A].
7. Remove the five screws (BTP3 × 12), then remove the duct (panel).
8. Remove the two screws (PTP4 × 45), then remove the DC fan (sirocco) [B].
9. Remove the screw (BTP3 × 12), then remove the TA board.



Installation

10. Attach the DC fan and TA board in the reverse order of steps 6 to 9.

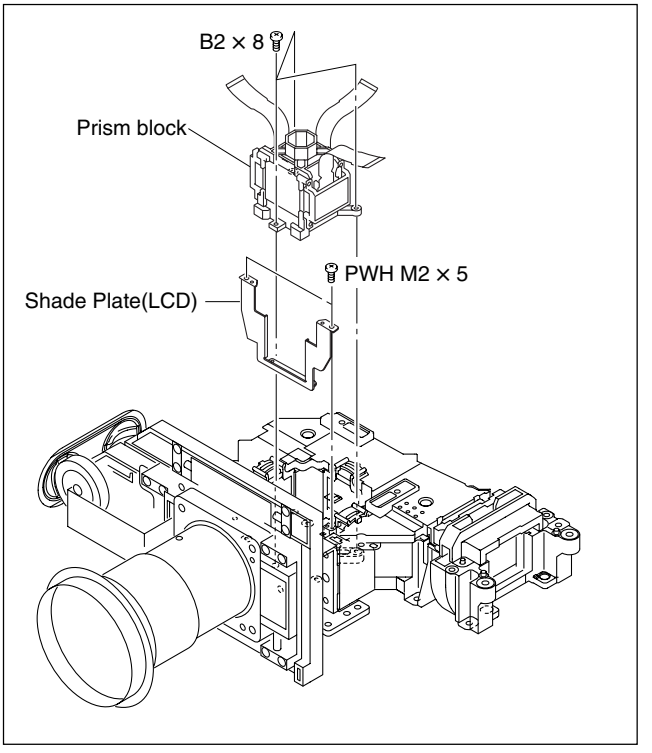
11. Assemble this unit in the reverse order of steps 1 to 5.

1-5-6. Prism Block

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)

5. Remove the two screws (PWH M2 × 5) and three screws (B2 × 8), then remove the prism block.



Installation

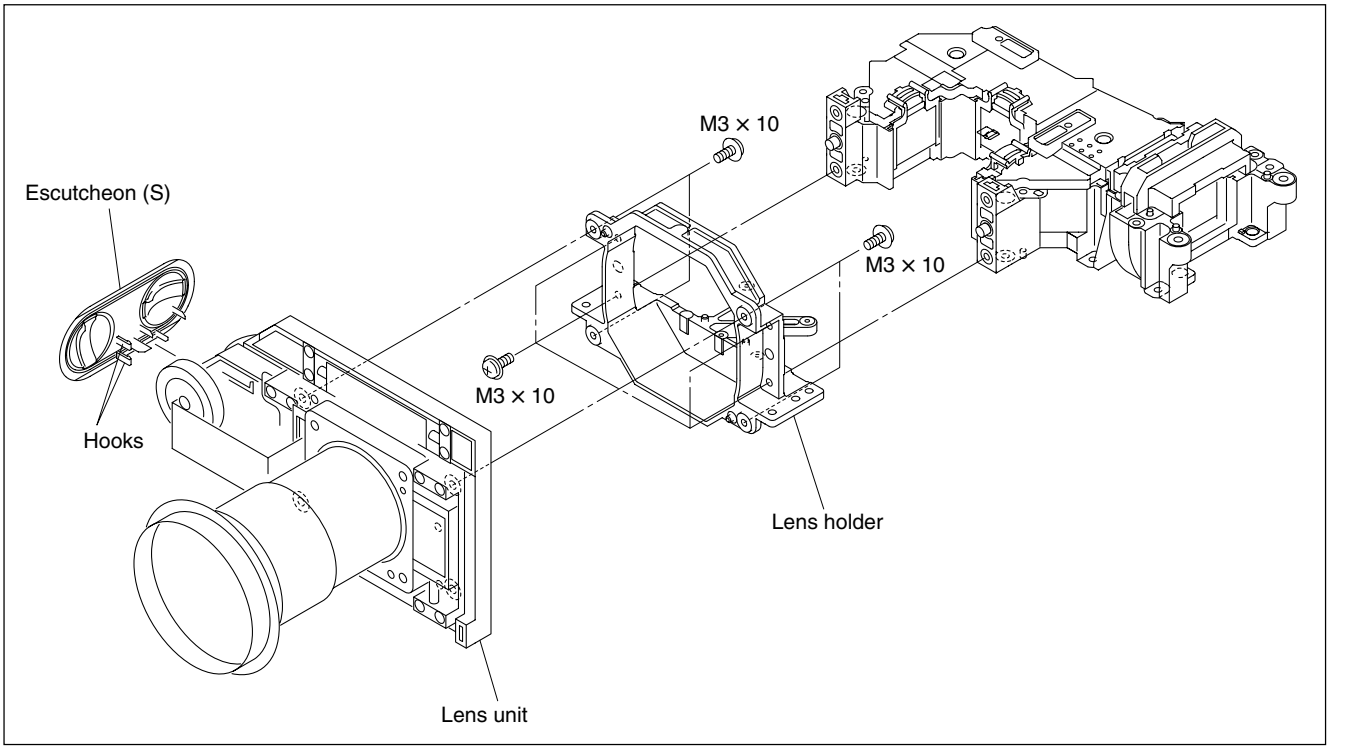
6. Assemble this unit in the reverse order of steps 1 to 5.

1-5-7. Lens Unit

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board. (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly. (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly. (Refer to step 5 of Section 1-5-3.)

5. Remove the four screws, then remove the lens holder from the lens unit.
6. Remove the four screws, then remove the lens unit.
7. Remove the two hooks, then remove the escutcheon (S).



Installation

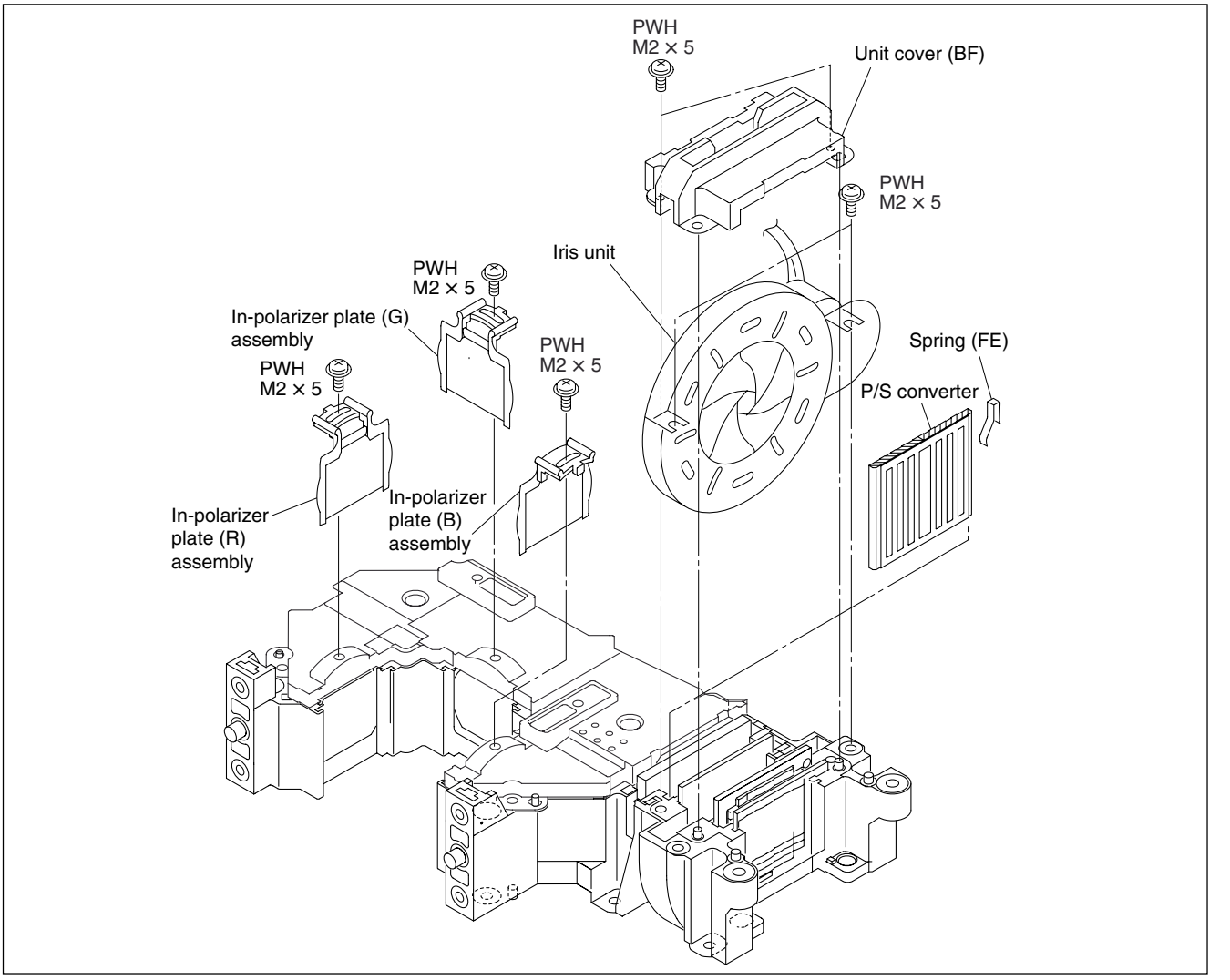
8. Attach the lens unit in the reverse order of steps 5 to 7.

9. Assemble this unit in the reverse order of steps 1 to 4.

1-5-8. Unit Assembly

Removal

1. Remove the cabinet. (Refer to Section 1-3.)
2. Remove the C board.
   (Refer to steps 3 to 7 of Section 1-4-1.)
3. Remove the lamp assembly.
   (Refer to steps 2 and 3 of Section 1-5-2.)
4. Remove the optical block assembly.
   (Refer to step 5 of Section 1-5-3.)
5. Remove the prism block.
   (Refer to step 5 of Section 1-5-6.)
6. Remove the screw (PWH M2 × 5), then remove the in-polarizer plate (R) assembly on the incoming radiation side.
7. Remove the screw (PWH M2 × 5), then remove the in-polarizer plate (G) assembly on the incoming radiation side.
8. Remove the screw (PWH M2 × 5), then remove the in-polarizer plate (B) assembly on the incoming radiation side.
9. Remove the two screws (PWH M2 × 5) from the iris unit.
10. Remove the two screws (PWH M2 × 5), then remove the unit cover (BF).
11. Remove the iris unit.
12. Remove the spring (FE), then remove the P/S conversion device.



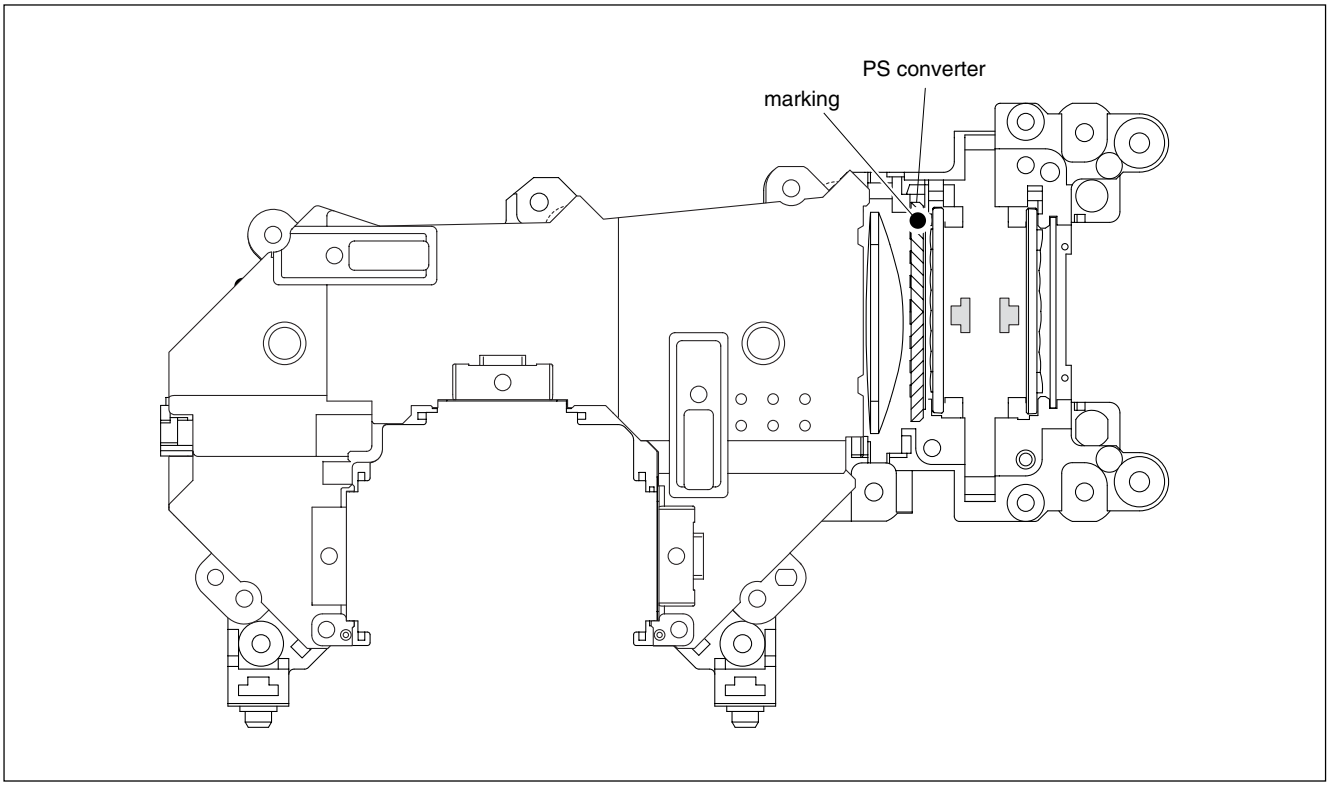
Installation

13. Attach the unit assembly in the reverse order of steps 6 to 12.
14. Assemble this unit in the reverse order of steps 1 to 5.

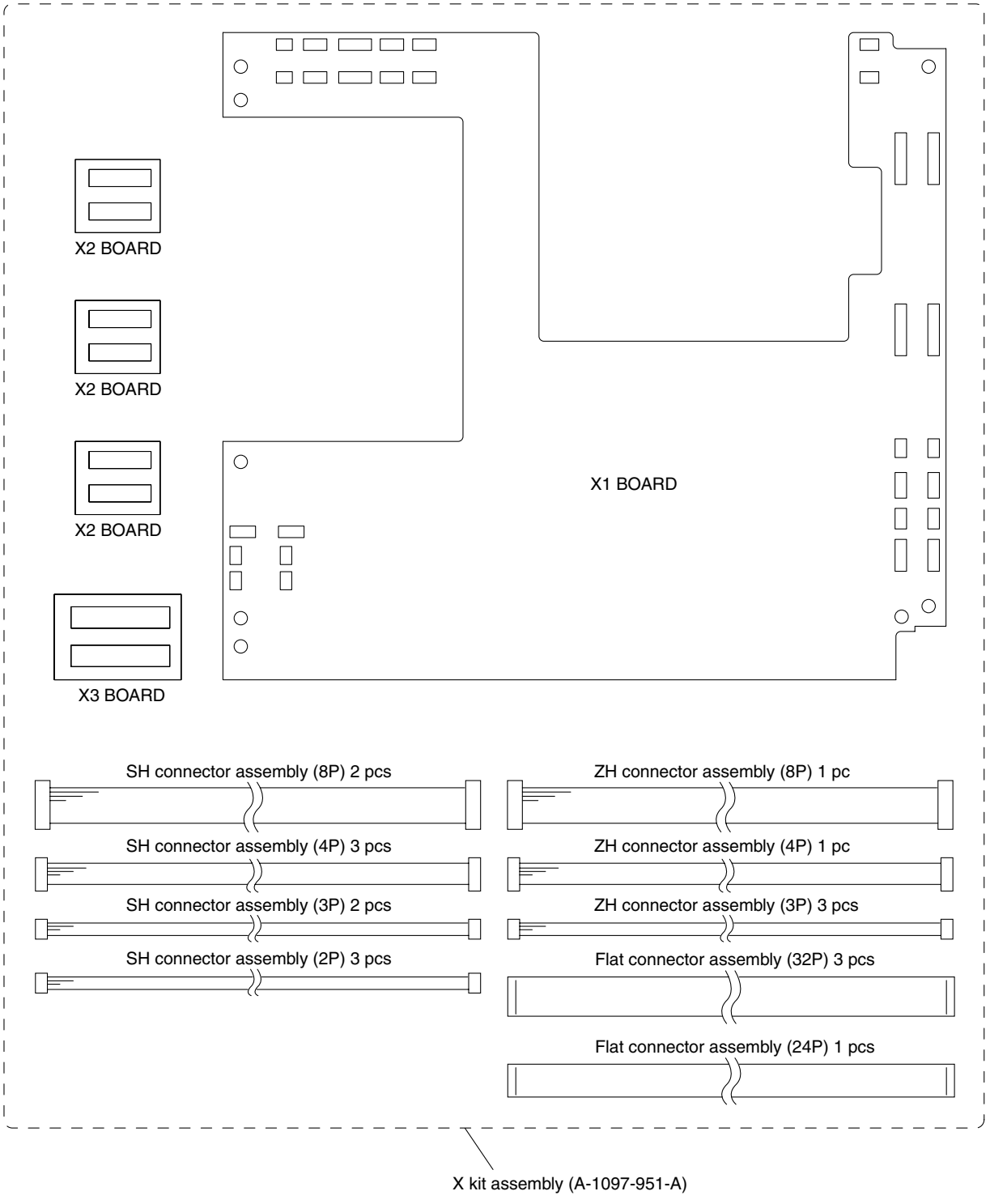
1-5-9. Unit Assembly Parts Orientation

Note

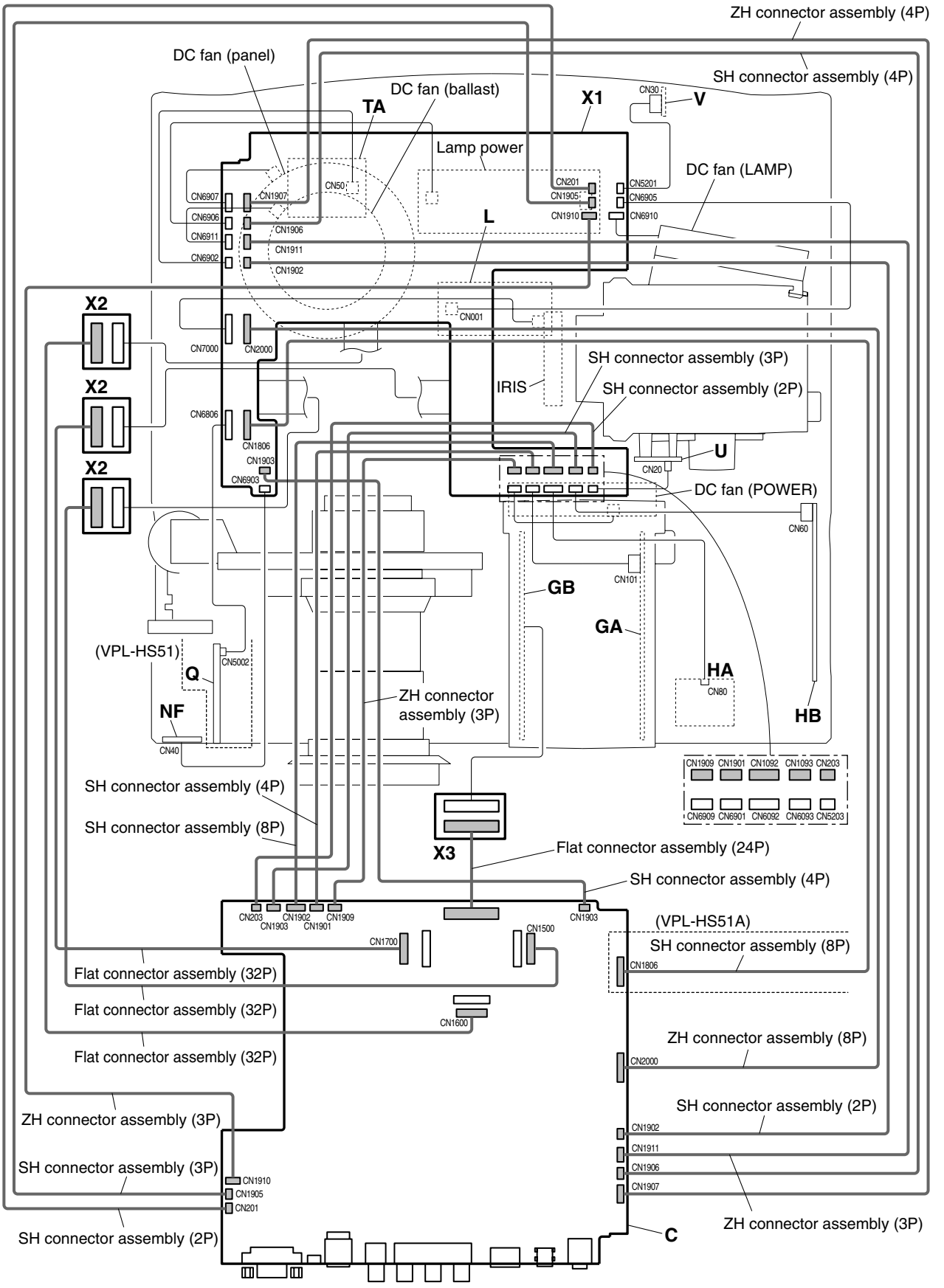
The main condenser lens assembly and the relay-2 lens assembly are fixed to the unit assembly and cannot be removed.



1-5-10. Extension Board and Extension Connectors


X2 BOARD
X2 BOARD
X2 BOARD
X3 BOARD
X1 BOARD
SH connector assembly (8P) 2 pcs
ZH connector assembly (8P) 1 pc
SH connector assembly (4P) 3 pcs
ZH connector assembly (4P) 1 pc
SH connector assembly (3P) 2 pcs
ZH connector assembly (3P) 3 pcs
SH connector assembly (2P) 3 pcs
Flat connector assembly (32P) 3 pcs
Flat connector assembly (24P) 1 pcs
X kit assembly (A-1097-951-A)

1-5-11. Extension Board and Extension Connectors Connection



1-6. Unleaded Solder

Boards requiring use of unleaded solder are printed with a lead free mark (LF) indicating the solder contains no lead. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Notes

- Be sure to use the unleaded solder for the printed circuit board printed with the lead free mark.
- The unleaded solder melts at a temperature about 40 °C higher than the ordinary solder, therefore, it is recommended to use the soldering iron having a temperature regulator.
- The ordinary soldering iron can be used but the iron tip has to be applied to the solder joint for a slightly longer time. The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful.

1-7. Service Knowhow

1-7-1. After Replacing the Prism Block

1. Perform the Look Up Table or 3D GAMMA data writing of the Prism Block.
2. Perform Section "2-2. V COM Adjustment."
3. Perform Section "2-4. White Balance Adjustment on Servicing."

1-7-2. After Replacing the Board

- Refer to the cross table (page 1-21).
- There are no need to perform the adjustment when the board other than the C board had been replaced.

1) When Replacing the C Board

1. Before replacement, unsolder the IC1403 from the replaced C board and then mount it to the new board.
2. Perform Section "2-2. V COM Adjustment."
3. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 2-4.).
4. Perform Section "3) Iris Adjustment."

2) When Replacing the Other Board

There are no need to perform the adjustment.

3) Iris Adjustment

Preparation

1. Enter "34/Iris Adj." in Other of Device Adjust.
2. Change the value of "34/Iris Adj." from 0 to 1.

Adjustment

1. Set the value of "35/Open Reg" to 0 and check the value of "37/Open Hall".
2. Check the value of "37/Open Hall" while increasing the value of "35/Open Reg".
3. Check the value of "35/Open Reg" when the value of "37/Open Hall" is decreased by 2 from the value of step 1.
4. Save the value that is increased by 10 from the value of "35/Open Reg" in step 3.
5. Set the value of "36/Close Reg" to 255 and check the value of "38/Close Hall".
6. Set the value of "36/Close Reg" to 100 and check the value of "38/Close Hall" while increasing the value of "36/Close Reg".
7. Check the value of "36/Close Reg" when the value of "38/Close Hall" is increased by 2 from the value in step 5.
8. Save the value that is decreased by 11 from the value of "36/Close Reg" in step 7.

Procedure after adjustment

1. Reset the value of "34/Iris Adj." to 0.
2. Save the value in the memory.

4) Fan Voltage Adjustment

Preparation

1. Enter "27:Fan/Reg Adj.Cont" in Other of Device Adjust.
2. Change the value of "27:Fan/Reg Adj.Cont" from 0 to 1.

Adjustment

1. Maximum voltage adjustment for fan 1 drive

1. Enter "28: Fan1/Reg Max" in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1907 on the C board is within the following specification.
   Specification: 12.0 ± 0.1 V

2. Minimum voltage adjustment for fan 1 drive

1. Enter “29: Fan1/Reg Min” in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1907 on the C board is within the following specification.
   Specification: 4.60 ± 0.05 V

3. Maximum voltage adjustment for fan 4 drive

1. Enter “30: Fan2/Reg Max” in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1910 on the C board is within the following specification.
   Specification: 12.0 $^{+0.1}_{-0.2}$ V

4. Maximum voltage adjustment for fan 3 drive

1. Adjust the voltage so that pin 1 of the connector CN1909 on the C board is within the following specification.
   Specification: 12.0 $^{+0.1}_{-0.2}$ V

5. Minimum voltage adjustment for fan 4 drive

1. Enter “31: Fan2/Reg Min” in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1910 on the C board is within the following specification.
   Specification: 6.7 $^{+0.1}_{-0.2}$ V

6. Minimum voltage adjustment for fan 3 drive

1. Adjust the voltage so that pin 1 of the connector CN1909 on the C board is within the following specification.
   Specification: 6.7 $^{+0.1}_{-0.2}$ V

7. Maximum voltage adjustment for fan 5 drive

1. Enter “32: Fan3/Reg Max” in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1911 on the C board is within the following specification.
   Specification: 12.0 ± 0.1 V

8. Minimum voltage adjustment for fan 5 drive

1. Enter “33: Fan3/Reg Max” in Other of Device Adjust.
2. Adjust the voltage so that pin 1 of the connector CN1911 on the C board is within the following specification.
   Specification: 4.60 ± 0.05 V

Procedure after adjustment

1. Change the value of “27:Fan/Reg Adj.Cont” from 1 to 0.
2. Save the value in the memory.

Cross Table of Board Replacement

Device Name	Item Name	Board Name
		C
P.DRV	VCOM (R)	○
	VCOM (G)	○
	VCOM (B)	○
W/B ADJUST		
INPUT-A HIGH	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○
INPUT-A LOW	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○
INPUT-A HIGH	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○
INPUT-A MID	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○
VIDEO MID	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○
VIDEO LOW	GAIN R	○
	GAIN G	○
	GAIN B	○
	BIAS R	○
	BIAS G	○
	BIAS B	○

○: Need adjustment

1-8. Memory

Memory structure consists of the following five memory blocks.

1. Set memory
2. Status memory
3. Chroma memory
4. W/B memory
5. Channel memory
6. Image Flip memory
7. Picture memory
8. RCP memory
9. Fan memory

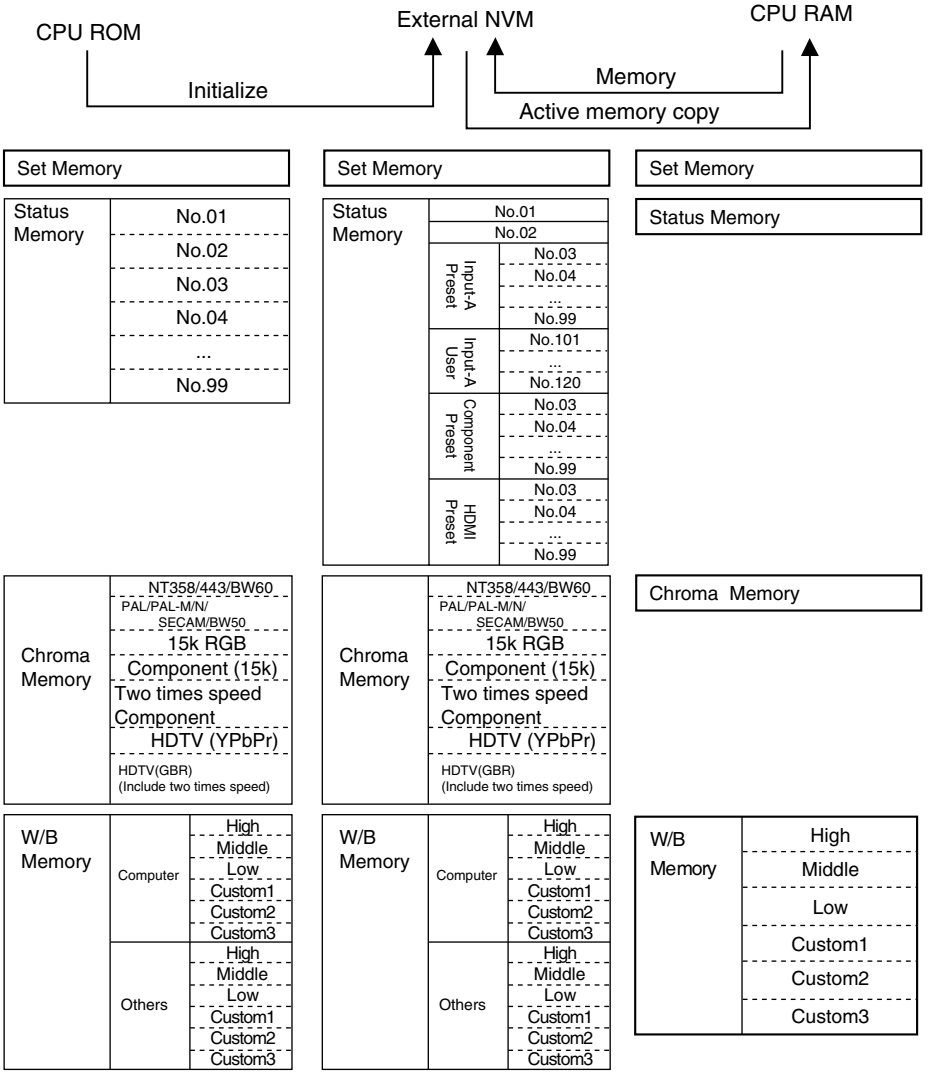
CPU internal ROM : 512 kbyte Flash Memory
CPU internal ROM : 32 kbyte
External NVM memory : 8 kbyte EEPROM

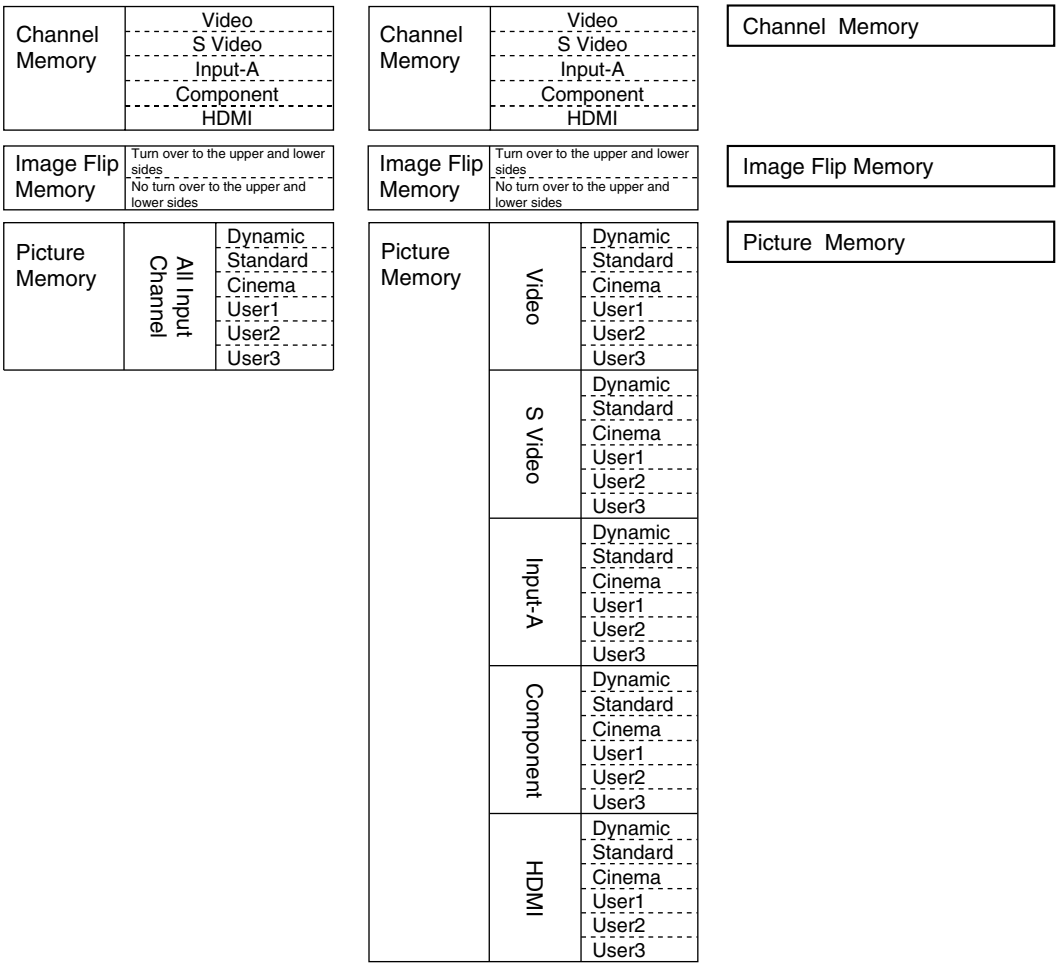
Gamma memory is actualized through Gamma mode functions' offsetting the output values to the Contrast and Brightness devices.

When the power plug is connected to the power line (Standby status), all data inside the CPU ROM are written into the NVM (Nonvolatile Memory). When the power is turned to on, required data for the current picture, such as status memory data, etc., are selected, and they are written into the internal RAM.

When adjustment is carried out, the adjustment data is stored in the NVM automatically (for items of the user mode) or by the trigger of memory operation (for items of the factory mode).

Adjustable items (W/B and Device Adjust) of the factory mode are memorized into the NVM by the memory operation. At the same time, the factory preset (adjusted) data are all eliminated from the memory.




Channel Memory
Video
S Video
Input-A
Component
HDMI
Image Flip Memory
Turn over to the upper and lower sides
No turn over to the upper and lower sides
Picture Memory
All Input Channel
Dynamic
Standard
Cinema
User1
User2
User3
Video
S Video
Input-A
Component
HDMI

1-9. Warning on Power Connection

Use a proper power cord for your local power supply.

	The United States, Canada		**Continental Europe**		**UK, Ireland, Australia, New Zealand**	**Japan**
Plug type	VM0233	290B	YP-12A	COX-07	*	YP332
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	YC-13
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	VCTF
Rated Voltage & Current	10A/ 125V	10A/ 125V	10A/250V	10A/250V	10A/250V	7A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENANHO

* Use a rated plug that complies with the regulation of each country and the specifications.

Section 2
Electrical Adjustments

2-1. Preparations

2-1-1. Required Equipment

- Oscilloscope
  Tektronix 2465 or equivalent
  (bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (optional module) + AWVG1 (optional module) or equivalent
- VG (Programmable video signal generator)
  VG854 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter
- Chrominance difference gauge

Note

Perform the following adjustments at least 5 minutes after turning on the power.

2-1-2. Factory Mode Setting

1. Press the “Setup” key on the MENU.
   The “Setup” menu is displayed.
2. Set the “Status” item to “On”.
3. Exit the menu.
4. Press the keys in the following order:
   “ENTER” → “ENTER” → “LEFT” → “ENTER”
5. The message “Do you wish to enter into the FACTORY MODE? Yes:↑ No:↓ ” will be displayed.
6. Select “Yes:↑”.

Notes

- When returning to the USER MODE, perform item 3. “Do you wish to return to the USER MODE? Yes:↑ No:↓ ” will be displayed. Select “Yes:↑”.
- Adjustable items (W/B and Device Adjust) of the factory mode are memorized into the NVM by the memory operation. At the same time, the factory preset (adjusted) data are all eliminated from the memory.
  After the unit enters and then exits the GAMMA ADJUSTMENT MODE, be sure to perform “Save to memory”. If a value is changed in the GAMMA ADJUSTMENT MODE and the original value cannot be restored, power off the unit and then power on again. If the Advance Iris mode in “Cinema Black Pro” of “Picture Adjust” is changed without performing “Save to memory” the UF data remains unchanged. Further, if “Save to memory” is performed then, the UF data provided for each Iris mode is overwritten and lost.

2-2. V COM Adjustment

1. Input the green-only XGA 1 Lime ON/OFF signal to INPUT-A, and set the CONTRAST to 70.
2. Set the screen to G VCOM adjustment of “Device Adjust.”
3. Adjust the G VCOM so that the flicker on the screen is minimum.
4. Change the input signal to the red-only and blue-only 1 line ON/OFF signal respectively and adjust R VCOM and B VCOM respectively so that the flicker becomes minimum as described in step 3.
5. Save the value adjusted.
6. Set the “Image Flip” to either “V” or “HV”.
7. Input the R/G/B value adjusted as above step 5.
8. Save the value adjusted.
9. Set the “Image Flip” to “OFF”.

2-3. Adjustment Item Initialize Data

MenuTitle	ItemName	Memory Name											
		Set Memory	Status Memory	Picture Memory						RCP Memory			
				All Input Ch.									
				Dynamic	Standard	Cinema	User1	User2	User3	Off	User1	User2	User3
Picture	Picture Mode		∗1										
	Adjust Picture												
	Contrast			80	80	80	80	80	80				
	Brightness			55	50	50	50	50	50				
	Color			60	50	50	50	50	50				
	Hue			50	50	50	50	50	50				
	Sharpness			80	50	50	50	50	50				
	Black Level Adj.			Low	Off	Off	Off	Off	Off				
	Gamma Correction			Off	Off	Off	Off	Off	Off				
	Color Temp.			High	Middle	Low	Low	Low	Low				
	Custom1												
	Gain R												
	G												
	B												
	Bias R												
	G												
	B												
	Custom2												
	Gain R												
	G												
	B												
	Bias R												
	G												
	B												
	Custom3												
	Gain R												
	G												
	B												
	Bias R												
	G												
	B												
	DDE			Film	Film	Film	Film	Film	Film				
	Cinema Black Pro												
	Advanced Iris			Off	Off	Auto	Auto	Auto	Auto				
	Lamp Control			High	Low	Low	Low	Low	Low				
	RCP	Off											
	Color Select										Red	Red	Red
	Position										Adjust	Adjust	Adjust
	Range										Adjust	Adjust	Adjust
	Color										0	0	0
	Hue										0	0	0
Signal	Adjust Signal...												
	Dot Phase		15 (∗1)										
	H Size		∗1										
	Shift		∗1										
	Wide Mode			Full	Full	Full	Full	Full	Full				
	V Position(Zoom)			4	4	4	4	4	4				
	V Position(Sub Title)			4	4	4	4	4	4				
	Title Area			0	0	0	0	0	0				
Function	Smart APA												
	Auto Input Search												
	Standby Mode												
	Power Saving												

∗1: "Dot Phase, H Size, Shift H/V and Picture Mode" in the "INPUT SETTING" menu have an initial value respectively in accordance with the input signal (PRESET MEMORY No.).

∗2: VPL-HS51A only

Note: There are nonadjustable items in accordance with the input signal.

Memory Name													Remarks
	W/B Memory												
	Computer						Others						
	High	Middle	Low	Custom1	Custom2	Custom3	High	Middle	Low	Custom1	Custom2	Custom3	

MenuTitle	ItemName	Memory Name												
		Set Memory	Status Memory	Picture Memory						RCP Memory				
				All Input Ch.										
				Dynamic	Standard	Cinema	User1	User2	User3	Off	User1	User2	User3	
Setup	Status	On												
	Language	English												
	Input OA Signal Sel.	Auto												
	Color System	Auto												
Installation	V Keystone	0												
	Image Flip	Off												
	Background	Blue												
	Illumination	On												
	High Altitude Mode	Off												
	Network Setting(∗2)													
	IP Address Setup(∗2)	Indication only												
	IP Address(∗2)	Indication only												
	Subnet Mask(∗2)	Indication only												
	Default Gateway(∗2)	Indication only												
	Primary DNS(∗2)	Indication only												
	Secondary DNS(∗2)	Indication only												
	MAC Address(∗2)	Indication only												
	Speed(∗2)	Indication only												
Information	fH	Indication only												
	fV	Indication only												
	(Memory No.)	Indication only												
	(Resolution)	Indication only												
	ROM Version	Indication only												
	SC ROM Version	Indication only												
	IP ROM Version(∗2)	Indication only												
	Lamp Timer	Indication only												
	Operation Timer	Indication only												
	Prev. Lamp Timer	Indication only												
W/B	Gain R													
	G													
	B													
	Bias R													
	G													
	B													

∗1: “Dot Phase, H Size, Shift H/V and Picture Mode” in the “INPUT SETTING” menu have an initial value respectively in accordance with the input signal (PRESET MEMORY No.).

∗2: VPL-HS51A only

Note: There are nonadjustable items in accordance with the input signal.

Memory Name													Remarks
	W/B Memory												
	Computer						Others						
	High	Middle	Low	Custom1	Custom2	Custom3	High	Middle	Low	Custom1	Custom2	Custom3	
	128	128	128	128	128	128	128	128	128	128	128	128	
	100	128	100	128	128	128	100	128	100	128	128	128	
	128	128	100	128	128	128	128	128	100	128	128	128	
	128	128	128	128	128	128	128	128	128	128	128	128	
	128	128	128	128	128	128	128	128	128	128	128	128	
	128	128	128	128	128	128	128	128	128	128	128	128	

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
A/D Converter	ADC/	Clamp Position		∗2								
		Clamp Width		∗2								
		R Gain(Other)										
		R Gain(VideoGBR)										
		R Gain(Component 15k)										
		R Gain(Component 30k)										
		R Gain(Component HD)										
		G Gain(Other)										
		G Gain(VideoGBR)										
		G Gain(Component 15k)										
		G Gain(Component 30k)										
		G Gain(Component HD)										
		B Gain(Other)										
		B Gain(VideoGBR)										
		B Gain(Component 15k)										
		B Gain(Component 30k)										
		B Gain(Component HD)										
		R Offset(Other)										
		R Offset(VideoGBR)										
		R Offset(Component 15k)										
		R Offset(Component 30k)										
		R Offset(Component HD)										
		G Offset(Other)										
		G Offset(VideoGBR)										
		G Offset(Component 15k)										
		G Offset(Component 30k)										
		G Offset(Component HD)										
		B Offset(Other)										
		B Offset(VideoGBR)										
		B Offset(Component 15k)										
		B Offset(Component 30k)										
		B Offset(Component HD)										
		Pre Coast 2		2								
		Post Coast 8		8								
		Bandwidth 3		3								
	SS/	SonG Bias Current	1									
		SonG Hysterisis	1									
		SonG Thresh	1									
		Video Pos Thresh	1									
		Video Bias Current	1									
		Video Hysterisis	1									
		Video Thresh	1									
		VS Pol Gain	0									
		HS Pol Gain	0									
		Back VS Pol Gain	0									
		Back HS Pol Gain	0									
		VS Sep Sens	0									

Note: There are nonadjustable items in accordance with the input signal.

∗1: Depends on the color system and the input terminal.

∗2: Depend on the input signal.

Memory Name									Remarks
	Channel Memory					Image Flip Memory		Fan Memory	
	Video	S Video	Input-A	Component	HDMI	Turn over to the upper and lower sides	No turn over to the upper and lower sides		
	–	–	80	–	–				
	–	–	80	–	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	80	–	–				
	–	–	80	–	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	80	–	–				
	–	–	80	–	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	80	80	–				
	–	–	100	–	–				
	–	–	100	–	–				
	–	–	128	128	–				
	–	–	128	128	–				
	–	–	128	128	–				
	–	–	100	–	–				
	–	–	100	–	–				
	–	–	100	100	–				
	–	–	100	100	–				
	–	–	100	100	–				
	–	–	100	–	–				
	–	–	100	–	–				
	–	–	128	128	–				
	–	–	128	128	–				
	–	–	128	128	–				

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
Chroma/D.Comb	Chroma/	Ch1 Gain(NTSC3.58)										
		Ch1 Gain(Other)										
		Ch2 Gain(NTSC3.58)										
		Ch2 Gain(Other)										
		Video Sharp			0	0	–	–	–	–	–	
		Video Brt			152	134	–	–	–	–	–	
		Video Cont			79	81	–	–	–	–	–	
		Video Color			64	64	–	–	–	–	–	
		Video Hue			0	0	–	–	–	–	–	
		LCBW										
		Y-DeLay	∗1									
		Ch3 Gain(NTSC3.58)										
		Ch3 Gain(Other)										
		Ch4 Gain(NTSC3.58)										
		Ch4 Gain(Other)										
		Luma COR			0	0	–	–	–	–	–	
		Luma F0			0	0	–	–	–	–	–	
		Luma SHP			0	0	–	–	–	–	–	
		Chm COR			0	0	–	–	–	–	–	
		Chm F0			0	0	–	–	–	–	–	
		Chm SHP			0	0	–	–	–	–	–	
		AOSL	–									
		Status 1	Indication only									
		Status 2	Indication only									
Panel Driver	P.Drv	Offset R										
		Offset G										
		Offset B										
		V Common R										
		V Common G										
		V Common B										
		Psig 1 R	16									
		Psig 1 G	16									
		Psig 1 B	16									
		Psig 2 R	86									
		Psig 2 G	86									
		Psig 2 B	86									
		Signal Center R	31									
		Signal Center G	31									
		Signal Center B	31									
		Gain R	158									
		Gain G	158									
		Gain B	158									
		GDCFB Auto	0									
	SH/	SH1	22									
	Other/	V Com Ptn Enb	Adjustment is impossible									
		Installation	0									

Note: There are nonadjustable items in accordance with the input signal.

∗1: Depends on the color system and the input terminal.

∗2: Depend on the input signal.

Memory Name									Remarks
	Channel Memory					Image Flip Memory		Fan Memory	
	Video	S Video	Input-A	Component	HDMI	Turn over to the upper and lower sides	No turn over to the upper and lower sides		
	18	31	–	–	–				
	31	31	–	–	–				
	31	31	–	–	–				
	31	31	–	–	–				
	6	6	–	–	–				
	31	31	–	–	–				
	31	31	–	–	–				
	31	31	–	–	–				
	31	31	–	–	–				
						116	116		
						116	116		
						116	116		
						101	101		
						101	101		
						101	101		

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
Display Engine	DE/	Sub Cont	0									
		Sub Brt	0									
		LUT Through	0									
		UF SW	1									
		APC Thres	7									
		HST Position	7									
		HST Phase	116									
		Drift On	0									
		HPC R	Indication only									
		HPC G	Indication only									
		HPC B	Indication only									
		R HPC Data 0	463									
		G HPC Data 0	463									
		B HPC Data 0	463									
		R HPC Data 1	463									
		G HPC Data 1	463									
		B HPC Data 1	463									
		USC On	1									
		HPF On	1									
		HPF TAP		∗2								
		HPF AAC		∗2								
		UGM DRC On	0									
		UGM Sub Gain	96									
		UGM Sub Bias	0									
		RCP CSC Off	1									
		UGM On R	1									
		UGM On G	1									
		UGM On B	1									
		USC Limit On	0									
		USC Limit R	4095									
		USC Limit G	4095									
		USC Limit B	4095									
		RCP Hue Through	1									
		RCP Gamma R On	0									
		RCP Gamma G On	0									
		RCP Gamma B On	0									
	CSC/	CSC Mode	–									

Note: There are nonadjustable items in accordance with the input signal.

∗1: Depends on the color system and the input terminal.

∗2: Depend on the input signal.

Memory Name									Remarks
	Channel Memory					Image Flip Memory		Fan Memory	
	Video	S Video	Input-A	Component	HDMI	Turn over to the upper and lower sides	No turn over to the upper and lower sides		

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
Other	Temp/	Thresh Lamp										
		Thresh Panel										
		Thresh Atmos										
	Fan/	Hi Alt Const										
		High Alt Cofe										
	Fan1/	Cont Max										
		Speed Max										
		Speed Min										
		Reg Max										
		Reg Min										
	Fan2/	Cont Max										
		Speed Max										
		Speed Min										
		Reg Max										
		Reg Min										
	Fan3/	Cont Max										
		Speed Max										
		Speed Min										
		Reg Min										
	Other/	Synchronous	1									
		X Tilt	–									
		Y Tilt	–									
		Temp Lamp	Indication only									
		Temp Panel	Indication only									
		Temp Atomos	Indication only									
	Fan/	Reg Adj Cont	Adjustment is impossible									
	Fan1/	Reg Max										
		Reg Min										
	Fan2/	Reg Max										
		Reg Min										
	Fan3/	Reg Max										
		Reg Min										
	Iris/	Iris Adj	0									
		Open Reg	0									
		Close Reg	255									
		Open Hall	Indication only									
		Close Hall	Indication only									

Note: There are nonadjustable items in accordance with the input signal.

∗1: Depends on the color system and the input terminal.

∗2: Depend on the input signal.

Memory Name									Remarks
	Channel Memory					Image Flip Memory		Fan Memory	
	Video	S Video	Input-A	Component	HDMI	Turn over to the upper and lower sides	No turn over to the upper and lower sides		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
						Adjustment is impossible	Adjustment is impossible		
								Adjustment is impossible	
								Adjustment is impossible	
								Adjustment is impossible	
								Adjustment is impossible	
								Adjustment is impossible	
								Adjustment is impossible	

DeviceName	ItemName		Memory Name									
			Set Memory	Status Memory	Chroma Memory							
					NT358/NT443 /BW60	Pal/Pal-M/N/ Secam/BW50	15kRGB	Component (15k)	Two times speed Component	HDTV (YPbPr)	HDTV(GBR) Include two times speed	
I/P	Ip/	CTI Tap	3									
		CTI Shift	1									
		CTI Limit	128									
		CTI Gain	20									
		Sharp Limit	255									
		MD Thresh C	8									
		MD Thresh 0	16									
		VS	1									
		Continue	1									
		Edit Detect	0									
		Indicator	0									
		Manual	0									
		Manual Pair	0									
		Manual State	0									
		Field Times	2									
		Noise Thresh	4									
		Disp Area	0									
		VS Limit	64									
		VS Core	4									
		Hysteresis	1									
		Hysteresis Data	2									
		22 Pre Post Rate	15									
		22 Pre Post Thresh	2									
		Film Times 22	3									
		YNR On	0									
		CNR On	0									
	Ip2/	Sudare Rate 32	4									
		Sudare Thresh 32	64									
		Sudare Rate 22	4									
		Sudare Thresh 22	40									
		UV PhaseSel		*2								

Note: There are nonadjustable items in accordance with the input signal.

*1: Depends on the color system and the input terminal.

*2: Depend on the input signal.

Memory Name									Remarks
	Channel Memory					Image Flip Memory		Fan Memory	
	Video	S Video	Input-A	Component	HDMI	Turn over to the upper and lower sides	No turn over to the upper and lower sides		

2-4. White Balance Adjustment on Servicing

2-4-1. Computer

Preparation

1. Set the unit from the menu as follows.
   Picture Mode: Cinema
   Adjust Picture
   Contrast: 80
   Brightness: 50
   Gamma Correction: OFF
   Cinema Black Pro:
   Iris Control: OFF
   Lamp Control: Low
2. Set each mode of "Color Temp:" as follows.
   Gain: 128
   Bias: 128
3. Set INPUT-A Signal Sel. to "Computer".

Adjustment

1. High

1. Set "Color Temp:" to High.
2. Input WXGA 80 IRE Window white (3 colors: RGB) to INPUT-A and adjust the GAIN of G of white balance so that the chromaticity (y80) is within specification.
   x80: 0.284 ± 0.002
   y80: 0.298 ± 0.003
   Then, set the reference color as follows and adjust the GAIN of colors other than the reference color of white balance so that the chromaticity (x80 and y80) is within specification.
   x80 ≧ 0.294: B reference
   y80 < 0.294: R reference
3. Input WXGA 20 IRE Window white (3 colors: RGB) to INPUT-A and adjust the BIAS of colors other than G of white balance so that the chromaticity (x20 and y20) is within specification.
   x20: 0.294 ± 0.002
   y20: 0.310 ± 0.003
4. Input WXGA 80 IRE Window white (3 colors: RGB) to INPUT-A and adjust the GAIN of colors other than the reference color of white balance so that the chromaticity (x80 and y80) is within specification.
5. Repeat steps 3 and 4, and adjust each GAIN and BIAS of RGB so that x and y are within the following specification.
   x: 0.284 ± 0.002
   y: 0.298 ± 0.003
6. Save the adjustment values.

2. Middle

1. Set "Color Temp:" to Middle.
2. Input WXGA 80 IRE Window white (3 colors: RGB) to INPUT-A and adjust the GAIN of G of white balance so that the chromaticity (y80) is within specification.
   x80: 0.294 ± 0.002
   y80: 0.310 ± 0.003
   Then, set the reference color as follows and adjust the GAIN of colors other than the reference color of white balance so that the chromaticity (x80 and y80) is within specification.
   x80 ≧ 0.294: B reference
   y80 < 0.294: R reference
3. Input WXGA 20 IRE Window white (3 colors: RGB) to INPUT-A and adjust the BIAS of colors other than G of white balance so that the chromaticity (x20 and y20) is within specification.
   x20: 0.294 ± 0.002
   y20: 0.310 ± 0.003
4. Input WXGA 80 IRE Window white (3 colors: RGB) to INPUT-A and adjust the GAIN of colors other than the reference color of white balance so that the chromaticity (x80 and y80) is within specification.
5. Repeat steps 3 and 4, and adjust each GAIN and BIAS of RGB so that x and y are within the following specification.
   x: 0.294 ± 0.002
   y: 0.310 ± 0.003
6. Save the adjustment values.

3. Low

1. Set "Color Temp:" to Low.
2. Input WXGA 20 IRE Window white (3 colors: RGB) to INPUT-A and adjust the BIAS of colors other than G of white balance so that the chromaticity (x20 and y20) is within specification.
   x20: 0.313 ± 0.002
   y20: 0.329 ± 0.003

3. Input WXGA 80 IRE Window white (3 colors: RGB) to INPUT-A and adjust the GAIN of colors other than R of white balance so that the chromaticity (x80 and y80) is within specification.
4. Repeat steps 2 and 3, and adjust each GAIN and BIAS of RGB so that x and y are within the following specification.
   x: 0.313 ± 0.002
   y: 0.329 ± 0.003
5. Save the adjustment values.

4. Custom1/2/3

1. Copy the values adjusted in "1. High", "2. Middle" and "3. Low" as follows.
   Custom1: High
   Custom2: Middle
   Custom3: Low
2. Save the adjustment values.

2-4-2. Video

Preparation

1. Set the unit from the menu as follows.

Picture Mode:	Cinema
Adjust Picture	
Contrast:	80
Brightness:	50
Color:	50
Hue:	50
Sharpness:	50
Black Level Adj.:	OFF
Gamma Correction:	OFF
Cinema Black Pro:	
Iris Control:	OFF
Lamp Control:	Low

2. Set each mode of "Color Temp:" as follows.
   Gain: 150
   Bias: 127
3. Set INPUT-A Signal Sel. to "Component" or "Video GBR".

Adjustment

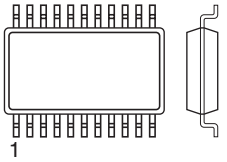
The adjustment procedures of "1. High", "2. Middle" and "3. Low" modes are the same as those in "2-4-1. Computer".

Notes

- Use the two times speed Component or two times speed VideoGBR signal as the input signal according to step 3 in Preparation.
- Use the reference color of High, Middle and Low same as that in "2-4-1. Computer".

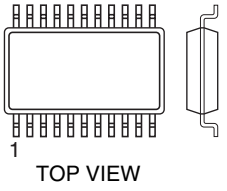
Section 3
Semiconductors

24LC21AT-I/SN
24LC256T-I/SNG
BR24L02F-WE2
ICS342M-05LF
M24256-BWMN6T
M24C64-WMN6T(B)
MM1115XFBE
NE57814DD.518
ST24FC21M6TR
TL431BCDR2



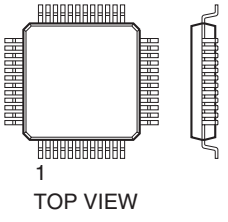
8PIN SOP

74VHC02MTCX
SN74LV00APWR
SN74LV125APWR
SN74LVC125APWR-12



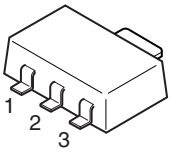
14PIN SSOP

AD9981KSTZ-95

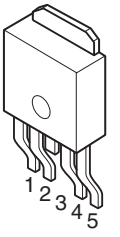


80PIN QFP

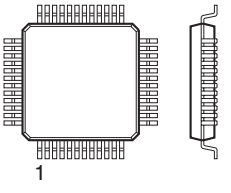
AIC1117A-18PYJTR
AIC1117A-25PEJTR
AIC1117A-33PEJTR
AIC1117A-33PYJTR
AIC1117A-50PEJTR
AIC1117A-50PYJTR
AIC1117A-PEJTR
LM1117MPX-1.8
TL431CPK-E2



BA00ASFP-E2
BA00BC0WFP-E2

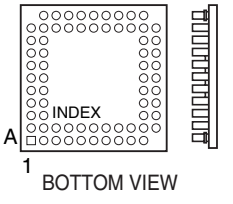


CXA7004R-T4
LC4032V-75TN48C-DLY2



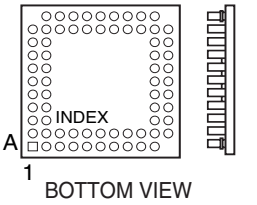
48PIN FQFP

CXD9760GP



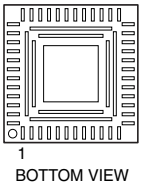
329PIN PBGA

CXD9809GF



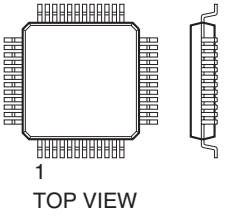
292PIN PBGA

DP83847ALQA56A/J5000283



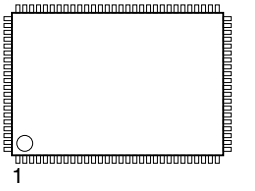
56PIN LLP

HD64F2378BVFQ35V
HD64F2378VFQ34V



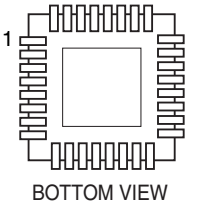
144PIN FQFP

K4D263238F-UC50T



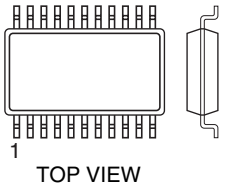
100PIN TQFP

LTC3728LXCUH#TR-R5



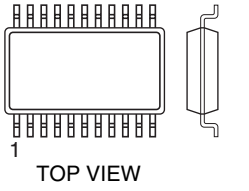
321PIN QFN

M95640-WDW6TG



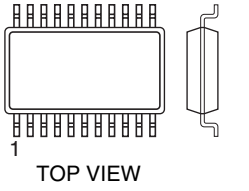
8PIN TSOP

MBM29LV160BE-90TN-801IP100



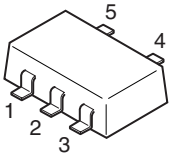
48PIN TSOP

MCZ3001UB

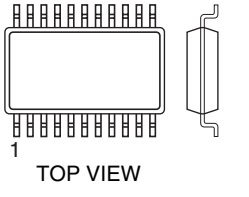


32PIN SSOP

MM1571JNLE
MM1573DNLE

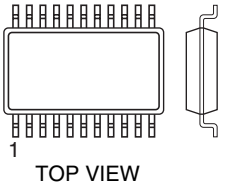


MT48LC2M32B2P-6:G



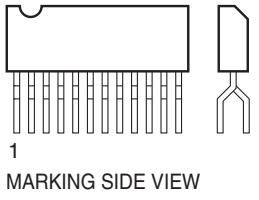
86PIN TSOP

MX29LV800TTC-70G-89PW

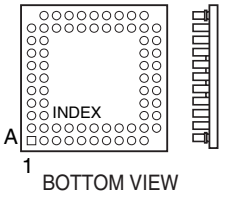


48PIN SOP

MZ1540

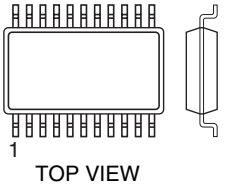


NET+NS7520B-1-C55



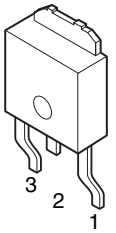
177PIN PBGA

NJM2904V(TE2)
NJM4556AV(TE2)
TA75W393FU
TA75W393FU-TE12R

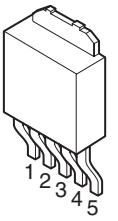


8PIN SSOP

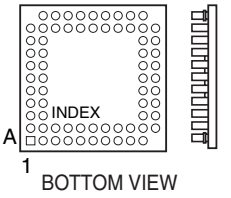
NJM78M12DL1A-TE1



PQ20WZ1UJ00H

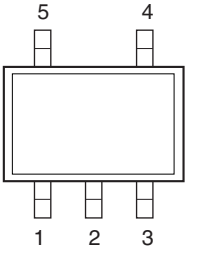


PW168B-10VL



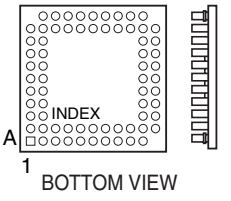
352PIN PBGA

S-80928CNMC-G8YT2G
SN74LVC1G14DCKR
TC7SH00FU-TE85R
TK11133CSCL-G



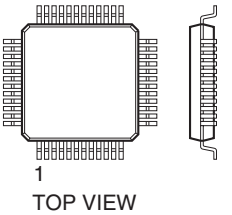
5PIN CHIP

SAA7119E/V2



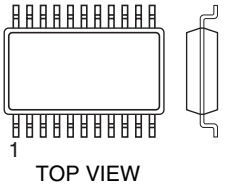
156PIN BGA

SII9993CTG100



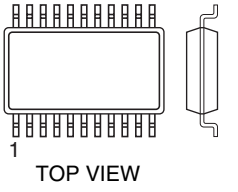
100PIN FQFP

SN74AHCT541PWR
SN74LVC244APWR
SN74LVC541APWR



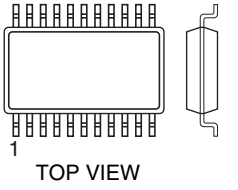
20PIN SSOP

SN74LV4052APWR
TC74VHC123AFT(EL)



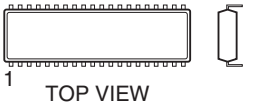
16PIN SSOP

ST72T631K4M1-201



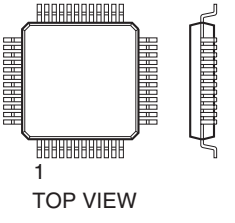
34PIN SSOP

STR-A6169



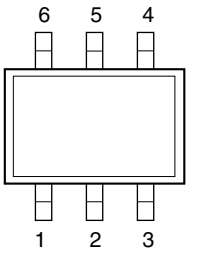
8PIN DIP

TE8200PF



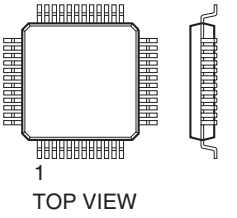
48PIN QFP

TK11100CSCB-G



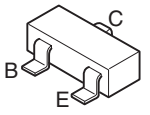
6PIN CHIP

UPD64083GF-3BA

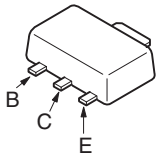


100PIN QFP

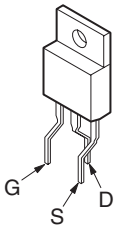
2SA1162-G
2SA1162-YG-TE85L
2SA1576A-T106-QR
2SC2712-YG
2SC2712-YG-TE85L
2SC4081-R
2SC4081T106R
DTA144EUA-T106
DTC114EU
DTC114EUAFT106
DTC114EUA-T106
DTC144EUA-T106



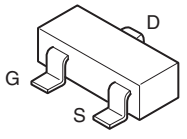
2SA1213Y-TE12L



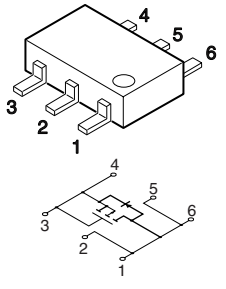
2SK2876-01MR-F122



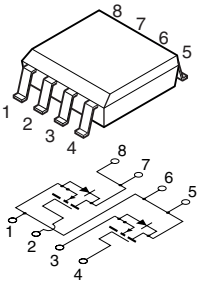
2SJ463A-T1



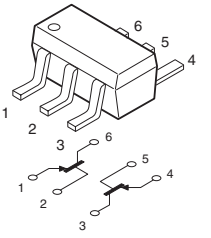
FDC658P
RTQ035P02TR



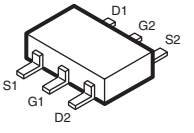
FDS6986S



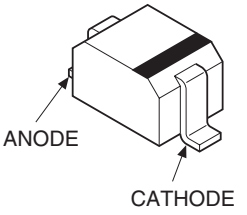
HN1B01FU-TE85R



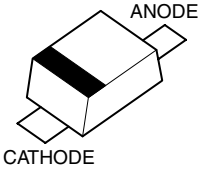
SSM6N15FU(TE85R)



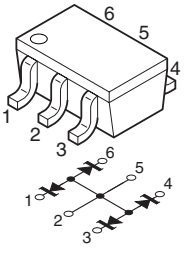
1SS355TE-17
MA111-TX



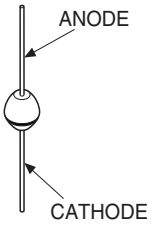
1SS388(TPL3)
UDZSTE-1722B
UDZS-TE17-22B
UDZSTE-175.6B



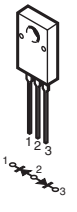
BZA456A/G.115



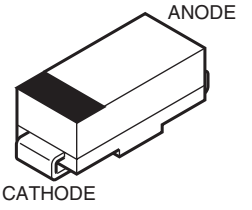
BZT03-C180



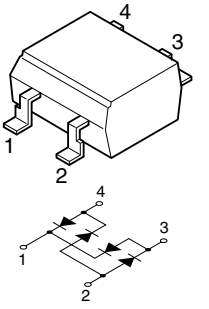
D10SC4M
D10SC6M



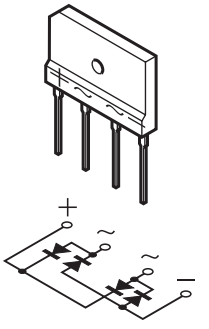
D1FL20U-TA
D1FL40
D1FS4A-TA
D2FS6-TA



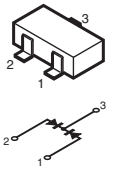
D1UBA80



D6SB80

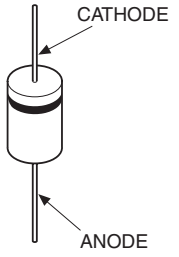


DAN202K
DAN202K-T-146
DAN202U
DAN202UT106
DAP202K
DAP202K-T-146

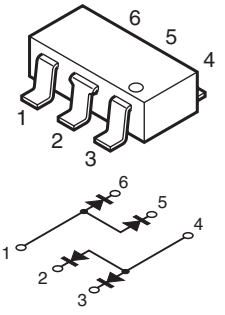


Diode

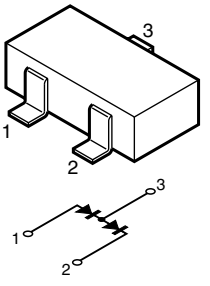
ERA22-08KFLB
UF4005/23



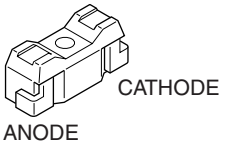
HN1D03FU-TE85L
HN1D03FU-TE85R



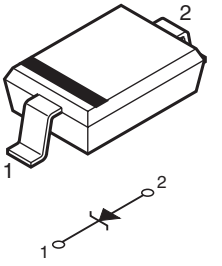
MA3J14700LSO
MA133
MA133-TX



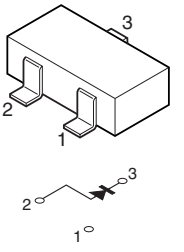
NSCW215T



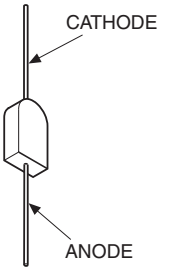
RD12SB-T1
RD3.9SB
RD3.9SB-T1
RD5.6SB-T1



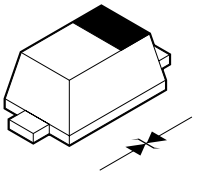
RD18M-T1B1
RD33M-B
RD33M-T1B
RD7.5M-B2
RD7.5M-T1B



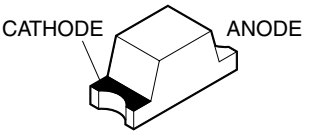
RM11C
RM11C-V1



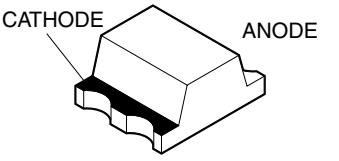
RSB6.8SFTE61



SEC1801C
SEC1901C



SEC2422C



Section 4
Spare Parts

4-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

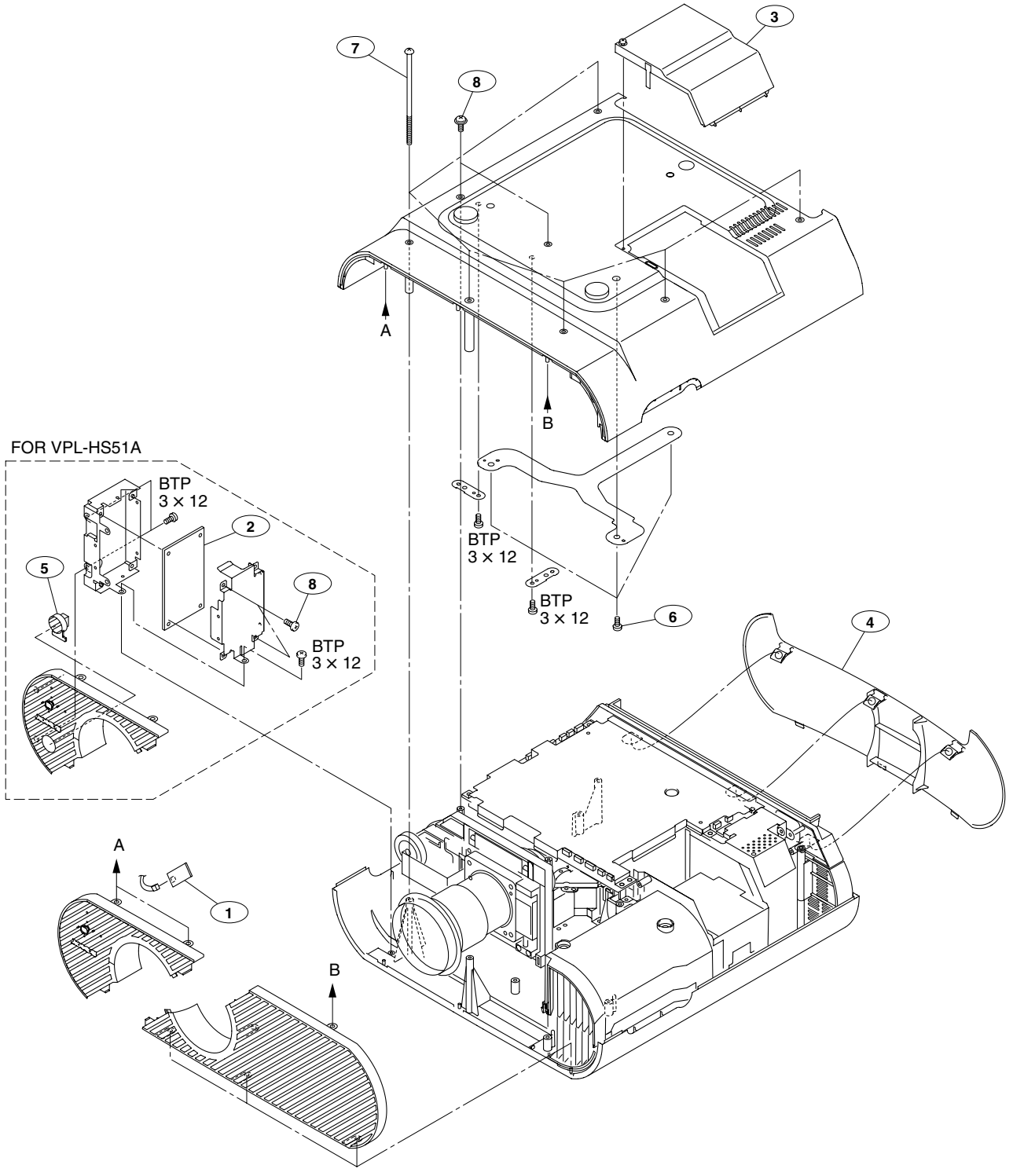
3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

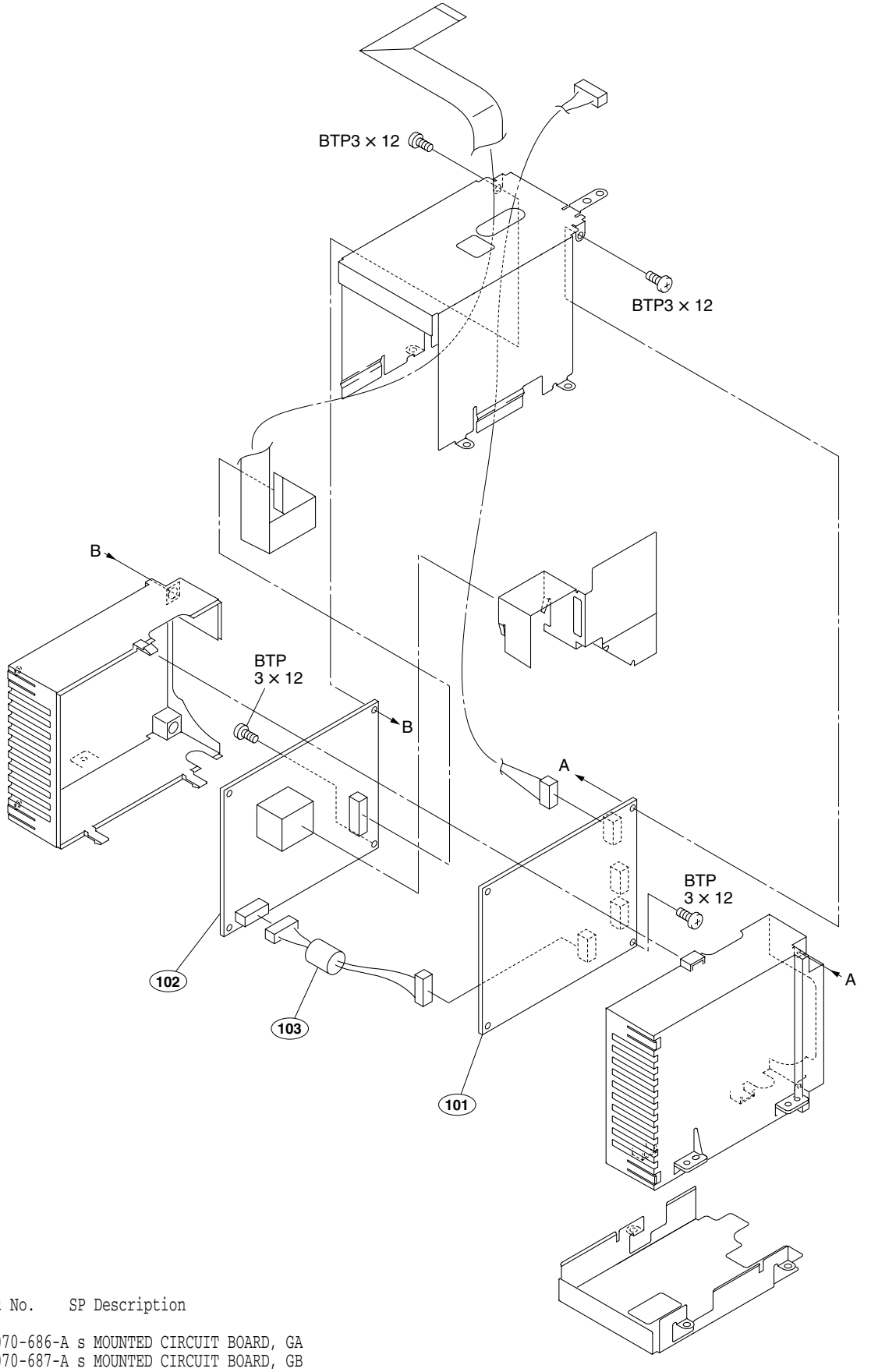
4. Harness

Harnesses with no part number are not registered as spare parts.
In need of repair, get components shown in the list and repair using them.

4-2. Exploded Views

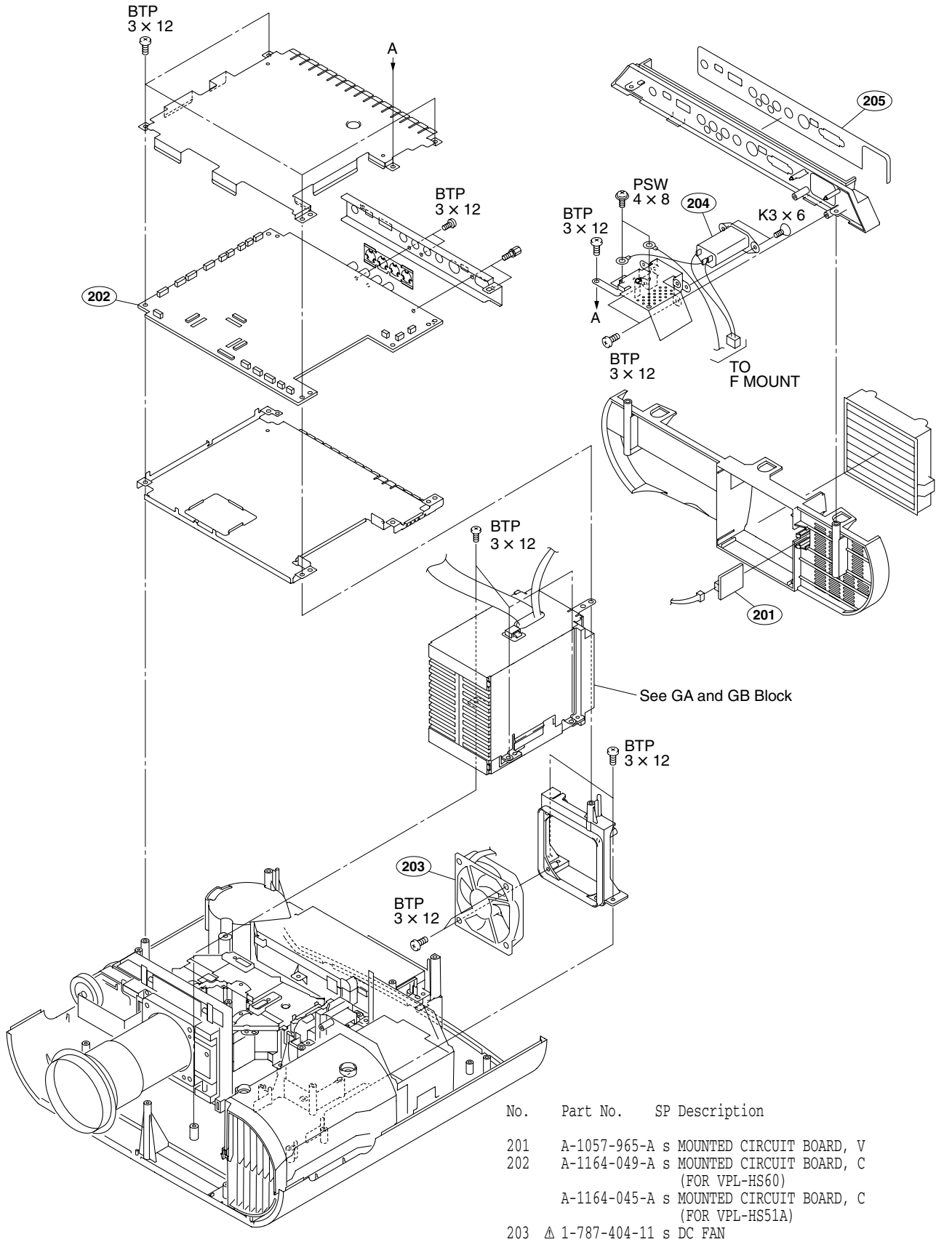


No.	Part No.	SP	Description
1	A-1057-960-A	s	NF MOUNT
2	A-1164-047-A	s	Q COMPL (FOR VPL-HS51A)
3	⚠ X-2025-173-4	s	COVER ASSY,LAMP
4	⚠ 2-178-507-04	s	COVER, REAR
5	2-345-361-01	s	COVER, EITHER (FOR VPL-HS51A)
6	4-091-838-02	s	SCREW M5X5, SPECIAL
7	4-099-122-02	s	SCREW +BV 3X70 TYPE 2, SPECIAL
8	4-382-854-01	s	SCREW (M3X8), P, SW (+) (FOR VPL-HS51A)
	7-685-548-19	s	SCREW +BTP 3X12 TYPE2 N-S

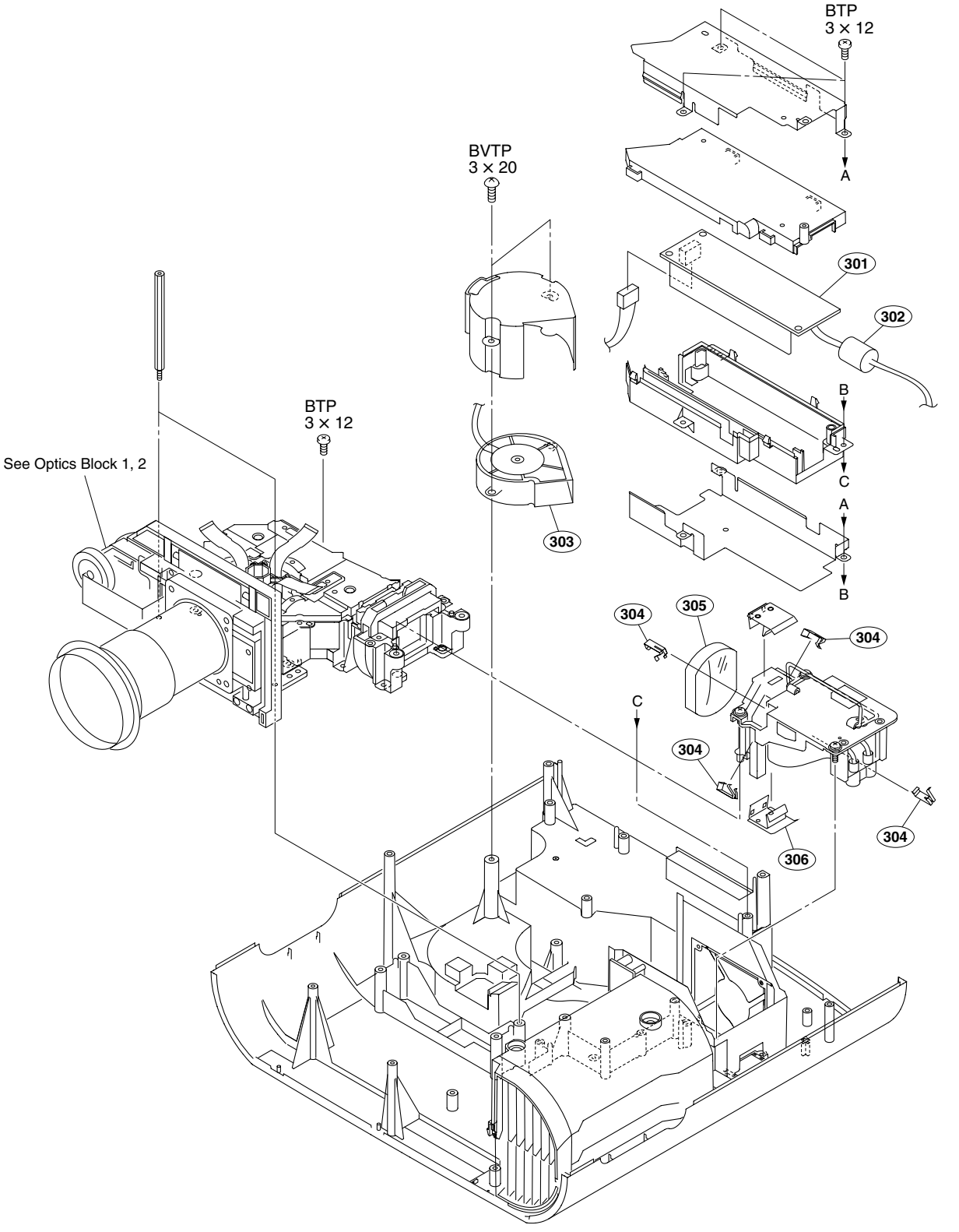


No.	Part No.	SP	Description
101	A-1070-686-A	s	MOUNTED CIRCUIT BOARD, GA
102	A-1070-687-A	s	MOUNTED CIRCUIT BOARD, GB
103	1-543-993-11	s	CORE, FERRITE
	7-685-548-19	s	SCREW +BTP 3X12 TYPE2 N-S

Main Board and Rear Block



No.	Part No.	SP	Description
201	A-1057-965-A	s	MOUNTED CIRCUIT BOARD, V
202	A-1164-049-A	s	MOUNTED CIRCUIT BOARD, C (FOR VPL-HS60)
	A-1164-045-A	s	MOUNTED CIRCUIT BOARD, C (FOR VPL-HS51A)
203	⚠ 1-787-404-11	s	DC FAN
204	⚠ 1-818-098-21	s	INLET, AC (WITH NOISE FILTER)
205	2-188-260-01	s	LABEL, CONNECTOR
	7-682-247-09	s	SCREW +K 3X6
	7-682-961-01	s	SCREW +PSW 4X8
	7-685-548-19	s	SCREW +BTP 3X12 TYPE2 N-S

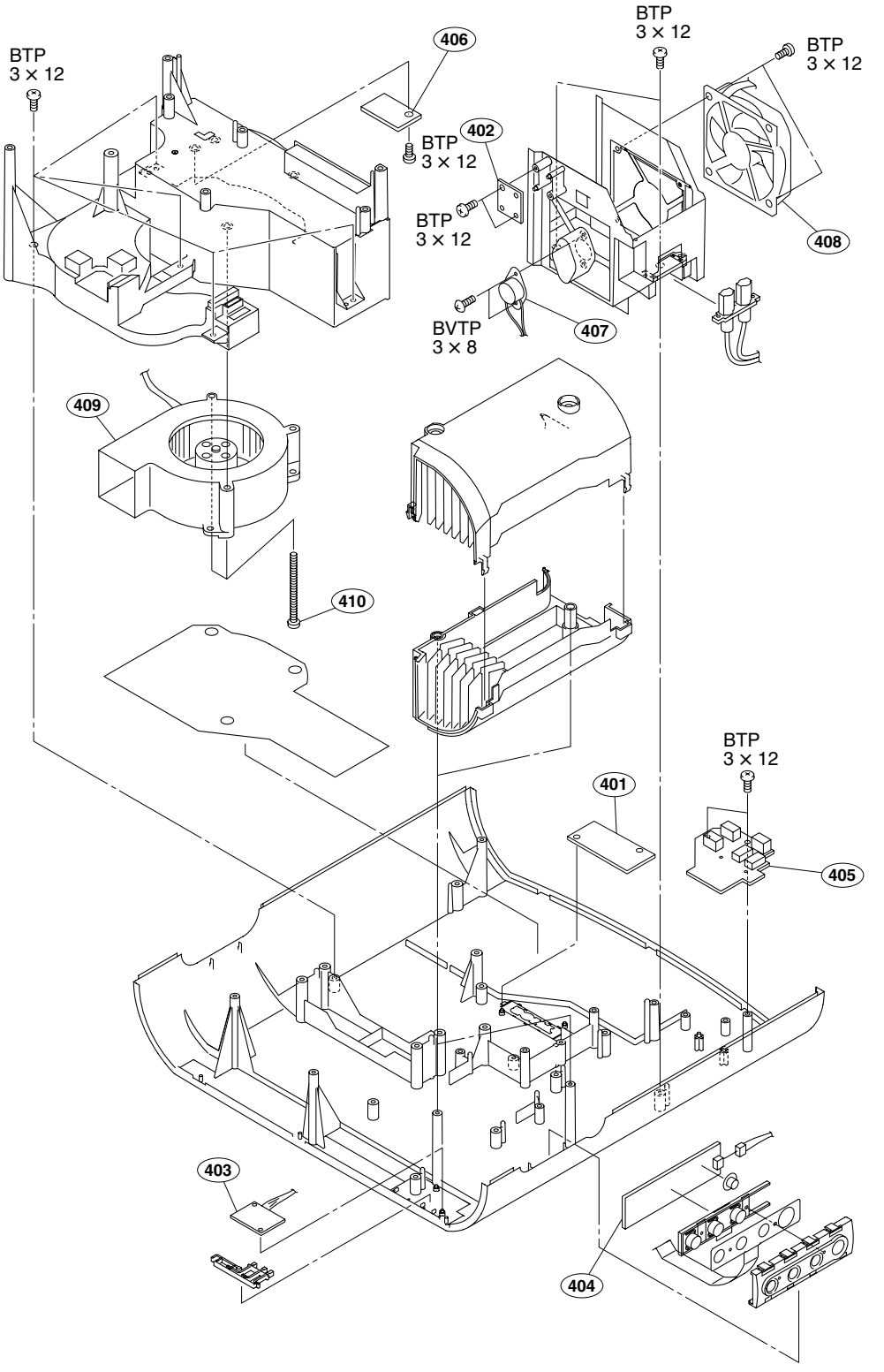


No. Part No. SP Description

301 ⚠ 1-468-866-11 s LAMP POWER SUPPLY BLOCK
302 1-543-993-11 s CORE, FERRITE
303 ⚠ 1-787-149-11 s D.C. FAN (SIROCCO)
304 4-089-523-01 s SPRING, LAMP
305 4-089-560-02 s LENS, CONCAVE

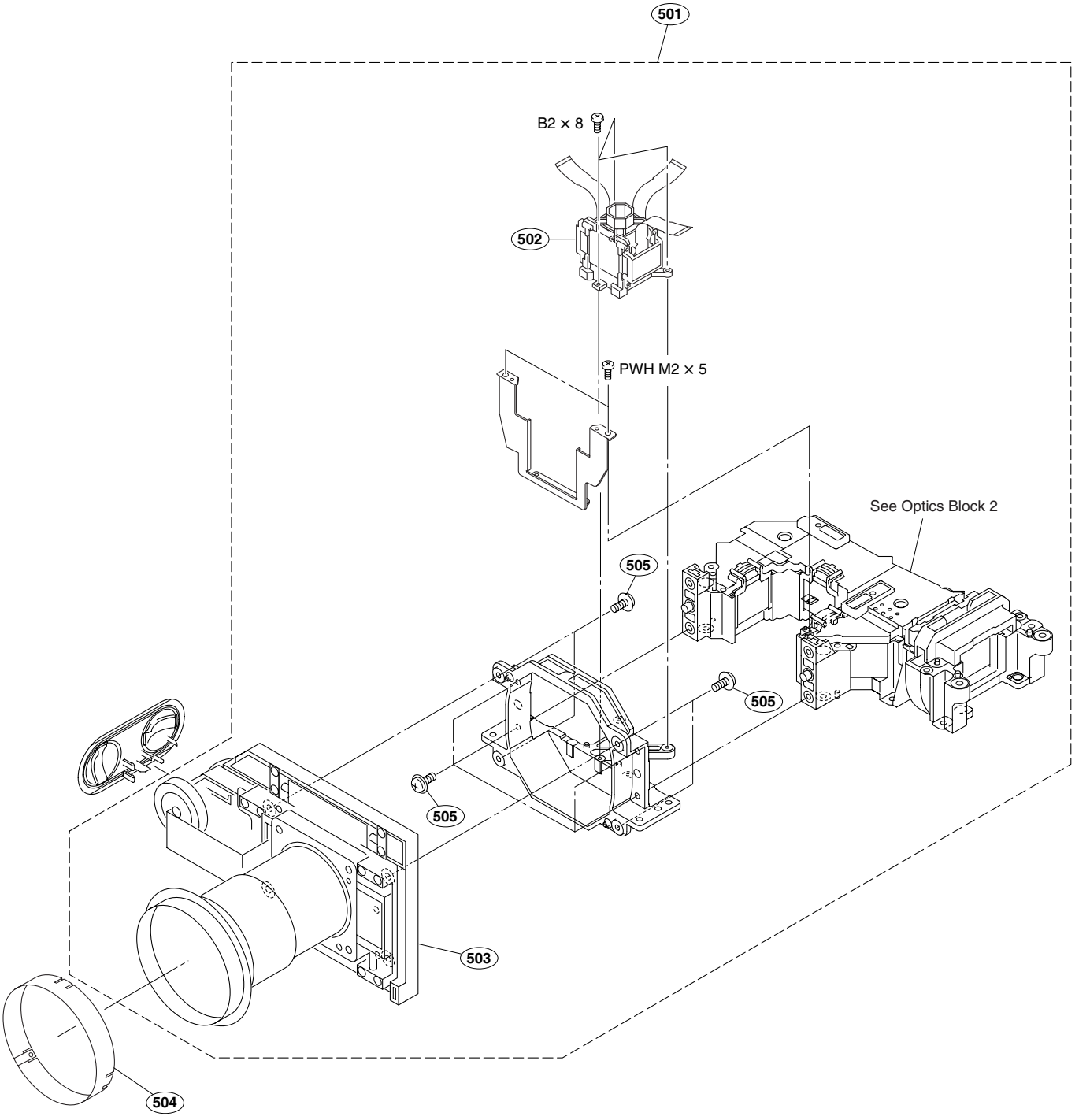
7-685-548-19 s SCREW +BTP 3X12 TYPE2 N-S
7-685-651-79 s SCREW +BVTP 3X20 TYPE2 IT-3

Top Panel Block



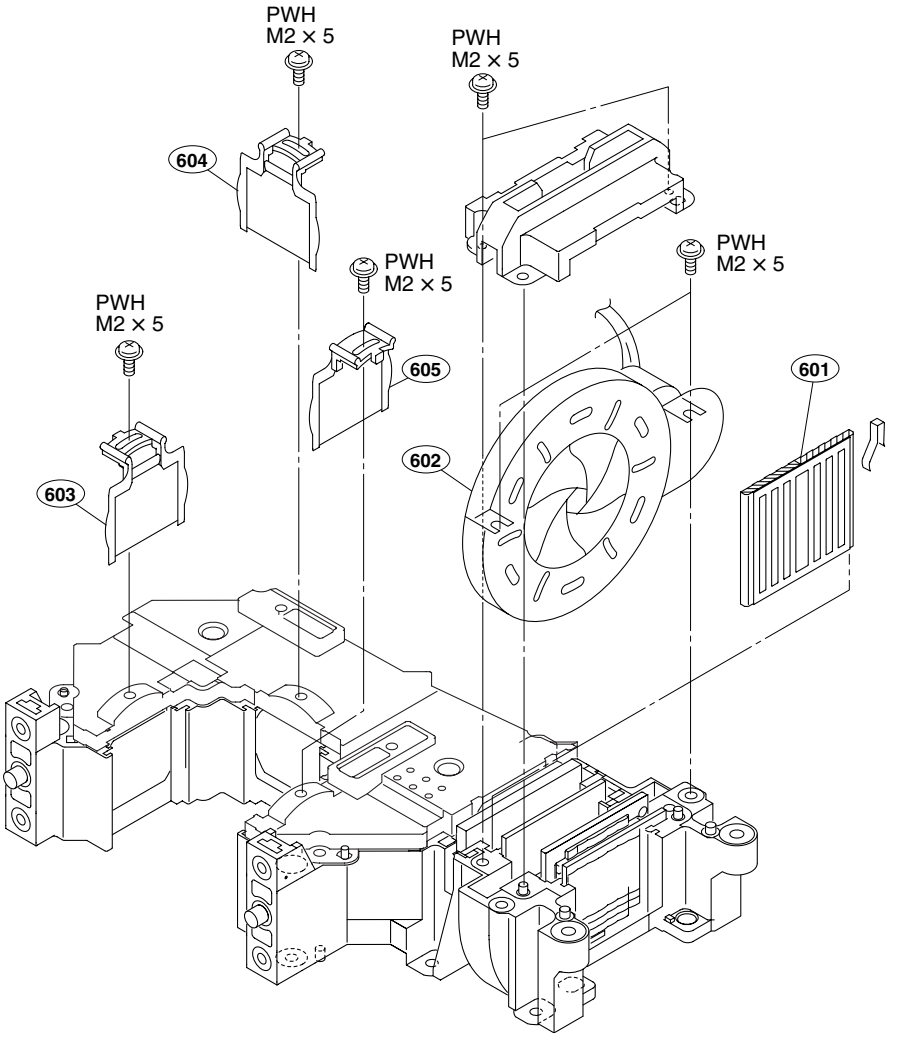
No.	Part No.	SP	Description
401	A-1057-962-A	s	MOUNTED CIRCUIT BOARD, L
402	A-1057-964-A	s	MOUNTED CIRCUIT BOARD, U
403	A-1057-969-A	s	MOUNTED CIRCUIT BOARD, HA
404	A-1057-970-A	s	MOUNTED CIRCUIT BOARD, HB
405	A-1076-324-A	s	MOUNTED CIRCUIT BOARD, F

No.	Part No.	SP	Description
406	A-1086-806-A	s	MOUNTED CIRCUIT BOARD, TA
407	⚠ 1-576-701-21	s	THERMOSTAT
408	⚠ 1-787-404-11	s	DC FAN
409	⚠ 1-787-231-21	s	D.C. FAN (SIROCCO)
410	2-348-149-01	s	TAPPING SCREW +PTP 4X45
	7-685-548-19	s	SCREW +BTP 3X12 TYPE2 N-S
	7-685-546-19	s	SCREW +BVTP 3X8 TYPE2 IT-3



No.	Part No.	SP	Description
501	A-1157-814-A	s	OPTICS UNIT ASSY
502	A-1157-815-A	s	PRISM BLOCK ASSY
503	A-1163-897-A	s	PROJECTION LENS ASSY (FOR VPL-HS60)
	A-1166-875-A	s	PROJECTION LENS ASSY (FOR VPL-HS51A)
504	2-188-259-02	s	COVER, LENS
505	4-382-854-11	s	SCREW (M3X10), P, SW (+)
	7-621-772-40	s	SCREW +B 2X8
	7-681-000-00	s	SCREW +PWH M2X5

Optics Block 2



No.	Part No.	SP	Description
601	A-1095-034-A	s	PS ASSY
602	1-788-185-12	s	IRIS UNIT
603	A-1163-898-A	s	PANEL (R) ASSY, IN-POLARIZER
604	A-1095-036-A	s	PANEL (G) ASSY, IN-POLARIZER
605	A-1095-037-A	s	PANEL (B) ASSY, IN-POLARIZER
	7-681-000-00	s	SCREW +PWH M2X5
	7-685-147-21	s	SCREW +P 3X10 TYPE2 SLIT

4-3. Electrical Parts List

C BOARD
---

*1:[VPL-HS60]
*2:[VPL-HS51A]

Ref. No. or Q'ty	Part No.	SP	Description
1pc	*1 A-1164-049-A	s	MOUNTED CIRCUIT BOARD, C
1pc	*2 A-1164-045-A	s	MOUNTED CIRCUIT BOARD, C
C100	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C103	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C106	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C107	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C200	*2 1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C201	*2 1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C202	*2 1-164-862-11	s	CAPACITOR,CHIP CERAMIC 33PF/50
C203	*2 1-164-862-11	s	CAPACITOR,CHIP CERAMIC 33PF/50
C204	*2 1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C205	*2 1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C206	*2 1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C207	*2 1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C208	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C209	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C210	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C400	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C401	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C402	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C403	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C404	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C405	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C406	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C407	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C408	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C409	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C410	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C411	1-135-834-11	s	CAPACITOR, CERAMIC 2200000PF
C412	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C413	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C414	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C415	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C416	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C417	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C418	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C419	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C420	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C421	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C422	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C423	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C424	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C425	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C426	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C427	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C428	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C429	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C430	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C432	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C433	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C500	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C501	1-164-392-11	s	CAPACITOR CERAMIC 390PF/50V CH
C503	1-164-858-11	s	CAPACITOR,CERAMIC 22PF/50V
C504	1-164-858-11	s	CAPACITOR,CERAMIC 22PF/50V
C506	1-164-939-11	s	CAPACITOR,CHIP CERAMIC 2200PF

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C507	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C508	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C509	1-126-208-21	s	CAPACITOR, ELECT 47MF(4.3X5.5)
C510	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C511	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C512	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C513	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C514	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C515	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C516	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C517	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C518	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C519	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C520	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C521	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C522	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C523	1-126-208-21	s	CAPACITOR, ELECT 47MF(4.3X5.5)
C524	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C525	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C526	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C527	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C528	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C529	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C530	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C531	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C532	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C533	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C534	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C535	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C536	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C537	1-126-246-11	s	CAPACITOR ELECT 220MF/4V(CHIP)
C538	1-164-858-11	s	CAPACITOR,CERAMIC 22PF/50V
C539	1-128-013-11	s	CAPACITOR ELECT 1MF/50V
C540	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C541	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C542	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C543	1-164-935-11	s	CAPACITOR,CHIP CERAMIC 470PF
C544	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C545	1-128-013-11	s	CAPACITOR ELECT 1MF/50V
C546	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C547	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C548	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C549	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C550	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C551	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C552	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C553	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C554	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C555	1-128-390-11	s	CAPACITOR ELECT 220MF/6.3V
C556	1-128-013-11	s	CAPACITOR ELECT 1MF/50V
C557	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C558	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C600	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C601	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C602	1-164-854-11	s	CAPACITOR,CHIP CERAMIC 15PF/50
C603	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C604	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C605	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C606	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C607	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C608	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C609	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C611	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C612	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C613	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C614	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C615	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C616	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C617	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C618	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C619	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C620	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C621	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C622	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C623	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C624	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C626	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C627	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C628	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C629	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C630	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C631	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C632	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C633	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C634	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C635	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C636	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C637	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C638	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C639	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C640	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C641	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C642	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C643	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C644	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C645	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C646	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C647	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C648	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C649	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C650	1-119-923-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C651	1-126-209-11	s	CAPACITOR,ELECT 100MF/4V
C700	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C701	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C702	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C703	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C704	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C705	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C706	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C707	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C708	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C709	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C710	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C711	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C712	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C713	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C714	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C715	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C716	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C717	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C718	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C719	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C720	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C721	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C722	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C723	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C724	1-117-614-11	s	CAPACITOR,CERAMIC8200PF B 1005
C725	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C726	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C727	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C728	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C729	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C730	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C731	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C732	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C733	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C734	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C800	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C801	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C802	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C803	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C804	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C805	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C806	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C900	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C901	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C902	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C903	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C904	1-164-933-11	s	CAP CHIP CERAMIC 220PF/16V(B)
C905	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C906	1-164-866-11	s	CAPACITOR,CHIP CERAMIC 47PF/50
C907	1-164-866-11	s	CAPACITOR,CHIP CERAMIC 47PF/50
C908	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C909	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C910	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C911	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C912	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C913	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C914	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C915	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C916	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C917	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C918	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C919	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C920	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C921	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C922	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C923	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C924	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C925	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C926	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C927	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C928	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C929	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C930	1-164-850-11	s	CAPACITOR,CHIP CERAMIC 10PF/50
C931	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C932	1-164-866-11	s	CAPACITOR,CHIP CERAMIC 47PF/50

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C933	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C934	1-164-866-11	s	CAPACITOR,CHIP CERAMIC 47PF/50
C935	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C937	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C938	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C939	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1000	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1001	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1102	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C1103	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1106	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1107	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1108	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1109	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1110	1-100-421-21	s	CAP, ELECT 220MF (6.3X5.9)
C1111	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1112	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1113	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1114	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1115	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1116	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1117	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1118	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1119	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1120	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1121	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1122	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1128	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1129	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1132	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1133	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1134	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1135	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1136	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1137	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1138	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1139	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1140	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1141	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1142	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1145	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1146	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1147	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1148	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1149	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1153	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C1154	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C1155	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1200	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1201	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1202	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1203	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1204	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1205	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1206	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1207	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1208	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1209	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1211	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1213	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1218	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1219	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1220	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1221	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1222	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1223	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1224	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1225	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1226	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1227	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1228	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1229	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1230	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1231	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1232	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1233	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1234	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1237	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C1239	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1240	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1241	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1242	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1243	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1244	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1245	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1246	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1247	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1248	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1249	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1250	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1251	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1252	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1253	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1254	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1255	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1256	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1257	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1258	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1259	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1300	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1301	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1306	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1307	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1308	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1309	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1310	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1311	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1312	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1313	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1314	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1315	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1316	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1317	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1318	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1319	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1320	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1321	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1322	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1323	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1324	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/50
C1325	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1326	1-164-852-11	s	CAPACITOR,CHIP CERAMIC 12PF/50
C1327	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1328	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1329	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1330	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1331	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1332	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1333	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1334	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1335	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1336	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1337	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1338	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1339	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1340	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1341	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1342	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C1343	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1344	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1345	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1346	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1347	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1348	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1349	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1350	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1351	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1352	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1400	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1401	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1402	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1403	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1404	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1405	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1406	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1407	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1408	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1409	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1410	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C1411	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1412	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1413	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1414	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1415	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1416	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1417	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1418	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1419	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1420	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1421	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1422	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1423	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1424	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1425	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1426	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1427	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1428	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1500	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1501	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1503	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1505	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1506	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1507	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1510	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1511	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1512	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1513	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1514	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1515	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1516	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1517	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1518	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1519	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1520	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1521	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1522	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1523	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1524	1-164-874-11	s	CAPACITOR,CHIP CERAMIC 100PF
C1525	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1526	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1527	1-126-197-11	s	CAPACITOR ERECT 10MF/50V
C1528	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1529	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1530	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1531	1-125-827-11	s	CAPACITOR,CERAMIC 1MF/25V
C1532	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1533	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1600	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1601	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1603	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1605	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1606	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1607	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1610	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1611	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1612	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1613	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1614	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1615	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1616	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1617	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1618	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1619	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1620	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1621	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1622	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1623	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1624	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1625	1-125-827-11	s	CAPACITOR,CERAMIC 1MF/25V
C1626	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1627	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1700	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1701	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1703	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1705	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C1706	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1707	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1710	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1711	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1712	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1713	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1714	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1715	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1716	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1717	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1718	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1719	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1720	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1721	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1722	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1723	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1724	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1725	1-125-827-11	s	CAPACITOR,CERAMIC 1MF/25V
C1726	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1727	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1800	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1801	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1802	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1803	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1804	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1805	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1806	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1807	1-164-937-11	s	CAPACITOR,CHIP CERAMIC 1000PF
C1808 *2	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1811	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C1812	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1813	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1814	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1815	1-164-850-11	s	CAPACITOR,CHIP CERAMIC 10PF/50
C1816	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1817	1-164-850-11	s	CAPACITOR,CHIP CERAMIC 10PF/50
C1818	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1819	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1820	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C1822	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1823	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1824	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
C1825	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1826	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1827	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1900	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1901	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1902	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1903	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1904	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1905	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1906	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1907	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1910	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1912	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1914	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C1915	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1918	1-164-943-11	s	CAPACITOR,CHIP CERAMIC 0.01MF
C1919	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1920	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1921	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1922	1-137-710-91	s	CAPACITOR,CERAMIC 10MF B(2012)
C1926	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1927	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1928	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1929	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1930	1-128-992-11	s	CAPACITOR ELECT 47MF 25V
C1931	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C1932	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C1934	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C1935	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C1936	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C1937	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C1938	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C1939	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1940	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1941	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1942	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
C1943	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C2001	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C2002	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C2003	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C2004	1-164-947-11	s	CAPACITOR CHIP CERAMIC 0.01MF
C2005	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C2006	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C2007	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C2008	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN101	1-784-828-11	s	CONNECTOR, D SUB
CN200 *2	1-794-962-11	s	CONNECTOR, SQUARE TYPE 5P
CN201	1-784-650-21	s	CONNECTOR 2P
CN203	1-784-650-21	s	CONNECTOR 2P
CN400	1-817-733-11	s	HDMI CONNECTOR
CN1092	1-779-806-21	s	CONNECTOR, 1.0MM PITCH 8P
CN1093	1-785-946-11	s	CONNECTOR 3P
CN1400	1-779-884-11	s	PLUG, CONNECTOR 4P
CN1500	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1600	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1700	1-794-823-11	s	CONNECTOR (ZIF), FPC/FFC 32P
CN1800	1-778-965-21	s	PIN, CONNECTOR (PC BOARD) 12P
CN1801	1-770-622-21	s	PIN, CONNECTOR 5P
CN1806			
*2	1-770-625-21	s	PIN, CONNECTOR 8P
CN1900	1-764-829-11	o	CONNECTOR, FPC 24P
CN1901	1-779-884-11	s	PLUG, CONNECTOR 4P
CN1902	1-784-650-21	s	CONNECTOR 2P
CN1903	1-779-884-11	s	PLUG, CONNECTOR 4P
CN1905	1-785-946-11	s	CONNECTOR 3P
CN1906	1-779-884-11	s	PLUG, CONNECTOR 4P
CN1907	1-573-290-21	s	PIN,CONNECTOR (4P)(SMD)(1.5MM)
CN1909	1-691-550-11	s	PIN,CONNECTOR (3P)(SMD)(1.5MM)
CN1910	1-691-550-11	s	PIN,CONNECTOR (3P)(SMD)(1.5MM)
CN1911	1-691-550-11	s	PIN,CONNECTOR (3P)(SMD)(1.5MM)
CN2000	1-691-591-11	o	PIN,CONNECTOR (8P)(SMD)(1.5MM)
D100	6-500-539-01	s	DIODE RSB6.8SFTE61
D101	6-500-539-01	s	DIODE RSB6.8SFTE61
D102	6-500-539-01	s	DIODE RSB6.8SFTE61
D104	8-719-941-86	s	DIODE DAN202U
D106	8-719-914-43	s	DIODE DAN202K

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
D109	6-500-539-01	s	DIODE RSB6.8SFTE61	
D110	6-500-539-01	s	DIODE RSB6.8SFTE61	
D111	8-719-073-11	s	DIODE BZA456A/G.115	
D112	8-719-037-22	s	DIODE RD12SB-T1	
D201 *2	8-719-036-80	s	DIODE RD3.9SB	
D202 *2	8-719-036-80	s	DIODE RD3.9SB	
D203 *2	8-719-988-61	s	DIODE 1SS355TE-17	
D401	8-719-069-55	s	DIODE UDZS-TE17-5.6B	
D402	8-719-069-55	s	DIODE UDZS-TE17-5.6B	
D403	8-719-941-86	s	DIODE DAN202U	
D408	8-719-914-44	s	DIODE DAP202K	(DUAL)
D412	8-719-941-86	s	DIODE DAN202U	
D700	8-719-059-53	s	DIODE MA3J14700LSO	
D701	8-719-059-53	s	DIODE MA3J14700LSO	
D702	8-719-059-53	s	DIODE MA3J14700LSO	
D703	8-719-059-53	s	DIODE MA3J14700LSO	
D704	8-719-059-53	s	DIODE MA3J14700LSO	
D705	8-719-059-53	s	DIODE MA3J14700LSO	
D706	8-719-059-53	s	DIODE MA3J14700LSO	
D707	8-719-059-53	s	DIODE MA3J14700LSO	
D900	8-719-059-53	s	DIODE MA3J14700LSO	
D901	8-719-059-53	s	DIODE MA3J14700LSO	
D902	8-719-404-50	s	DIODE MA111-TX	
D1800	8-719-024-77	s	DIODE HN1D03FU-TE85L	
D1801	8-719-056-48	s	DIODE 1SS388(TPL3)	
D1901	8-719-073-11	s	DIODE BZA456A/G.115	
D1902	8-719-404-50	s	DIODE MA111-TX	
D1903	8-719-404-50	s	DIODE MA111-TX	
D1904	8-719-404-50	s	DIODE MA111-TX	
D1905	8-719-404-50	s	DIODE MA111-TX	
FB101	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB200	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB201	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB202 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB203 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB204 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB205 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB206 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB207	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB400	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB401	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB402	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB500	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB501	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB504	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB600	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB700	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB701	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB702	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB800	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB802	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB900	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB903	1-414-921-11	s	INDUCTOR, FERRITE BEAD	
FB1100	1-469-670-11	o	FERRITE, EMI (SMD)	

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB1101	1-469-670-11	o	FERRITE, EMI (SMD)
FB1102	1-469-670-11	o	FERRITE, EMI (SMD)
FB1200	1-469-670-11	o	FERRITE, EMI (SMD)
FB1201	1-469-670-11	o	FERRITE, EMI (SMD)
FB1202	1-469-670-11	o	FERRITE, EMI (SMD)
FB1203	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1301	1-469-670-11	o	FERRITE, EMI (SMD)
FB1302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1304	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1305	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1400	1-469-670-11	o	FERRITE, EMI (SMD)
FB1401	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1402	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1403	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1404	1-469-670-11	o	FERRITE, EMI (SMD)
FB1500	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1501	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1504	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1600	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1700	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1701	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1702	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1703	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1704	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1800 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1801 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1802 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1803 *2	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1804 *2	1-469-670-11	o	FERRITE, EMI (SMD)
FB1900	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1901	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1902	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1904	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1905	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1906	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1907	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1908	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1910	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1912	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1913	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1914	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1917	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1918	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1920	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1921	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1922	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1923	1-469-670-11	o	FERRITE, EMI (SMD)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB1925	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1926	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1927	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1928	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1929	1-469-670-11	o	FERRITE, EMI (SMD)
FB1930	1-469-670-11	o	FERRITE, EMI (SMD)
FB1932	1-469-670-11	o	FERRITE, EMI (SMD)
FB1933	1-469-670-11	o	FERRITE, EMI (SMD)
FB1934	1-469-670-11	o	FERRITE, EMI (SMD)
FB1935	1-469-670-11	o	FERRITE, EMI (SMD)
FB1936	1-469-670-11	o	FERRITE, EMI (SMD)
FB1937	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB1938	1-469-670-11	o	FERRITE, EMI (SMD)
FB2000	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2001	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2002	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2004	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2005	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2006	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB2007	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FL500	1-239-848-21	s	FILTER, LOW PASS
FL501	1-239-848-21	s	FILTER, LOW PASS
FL502	1-239-848-21	s	FILTER, LOW PASS
FL1300	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1903	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL1905	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
IC100	8-759-661-55	s	IC ST24FC21M6TR
IC102	8-759-596-39	s	IC SN74LV4052APWR
IC200	6-804-846-01	s	IC LC4032V-75TN48C-DLY2
IC201 *2	6-701-707-01	s	IC ST72T631K4M1-201
IC400	6-704-001-01	s	IC BR24L02F-WE2
IC401	8-759-596-39	s	IC SN74LV4052APWR
IC402	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC500	6-704-841-01	s	IC AIC1117A-50PEJTR
IC501	6-705-093-01	s	IC AIC1117A-25PEJTR
IC502	6-701-174-01	s	IC MM1573DNLE
IC503	6-700-960-01	s	IC UPD64083GF-3BA
IC504	6-702-295-01	s	IC NJM78M12DL1A-TE1
IC600	6-704-842-01	s	IC AIC1117A-33PEJTR
IC602	6-704-007-01	s	IC MM1571J
IC603	6-701-174-01	s	IC MM1573DNLE
IC604	6-704-958-01	s	IC AIC1117A-18PYJTR
IC605	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC700	6-704-842-01	s	IC AIC1117A-33PEJTR
IC701	6-704-007-01	s	IC MM1571J
IC702	6-707-502-01	s	IC AD9981KSTZ-95
IC703	8-759-679-53	s	IC SN74LVC244APWR
IC800	8-759-573-97	s	IC SN74LVC541APWR
IC801	8-759-573-97	s	IC SN74LVC541APWR
IC802	8-759-573-97	s	IC SN74LVC541APWR
IC803	8-759-573-97	s	IC SN74LVC541APWR
IC804	8-759-573-97	s	IC SN74LVC541APWR
IC805	8-759-573-97	s	IC SN74LVC541APWR
IC900	8-759-669-41	s	IC SN74LVC125APWR-12
IC901	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC902	8-759-337-26	s	IC MM1115XFBE

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC904	6-704-954-01	s	IC AIC1117A-50PYJTR
IC905	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC906	6-706-928-01	s	IC TE8200PF
IC1000	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1101	6-705-137-01	s	IC NE57814DD.518
IC1102	6-705-089-01	s	IC K4D263238F-UC50T
IC1201	6-704-843-01	s	IC AIC1117A-PEJTR
IC1300	6-704-843-01	s	IC AIC1117A-PEJTR
IC1302	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1303	6-804-689-01	s	IC ICS342M-05LF
IC1304	8-759-471-89	s	IC 74VHC02MTCX
IC1305	6-806-276-01	s	IC MX29LV800BTTC-70G-89PW
IC1400	6-700-953-01	s	IC LM1117MPX-1.8
IC1401	6-706-960-01	s	IC CXD9809GF
IC1402	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1404	8-759-679-58	s	IC SN74AHCT541PWR
IC1405	8-759-679-58	s	IC SN74AHCT541PWR
IC1500	6-704-953-01	s	IC AIC1117A-33PYJTR
IC1501	8-752-107-63	s	IC CXA7004R-T4
IC1502	8-752-107-63	s	IC CXA7004R-T4
IC1503	6-705-025-01	s	IC PQ20WZ1UJ00H
IC1504	6-707-208-01	s	TK11100CSCB-G
IC1505	6-707-322-01	s	IC SN74LVC1G14DCKR
IC1600	6-704-953-01	s	IC AIC1117A-33PYJTR
IC1601	8-752-107-63	s	IC CXA7004R-T4
IC1602	8-752-107-63	s	IC CXA7004R-T4
IC1603	6-707-322-01	s	IC SN74LVC1G14DCKR
IC1700	6-704-953-01	s	IC AIC1117A-33PYJTR
IC1701	8-752-107-63	s	IC CXA7004R-T4
IC1702	8-752-107-63	s	IC CXA7004R-T4
IC1703	6-707-322-01	s	IC SN74LVC1G14DCKR
IC1801	8-759-549-01	s	IC SN74LV125APWR
IC1803	6-703-225-01	s	IC S-80928CNMC-G8YT2G
IC1804	6-702-688-01	s	IC M24C64-WMN6T(B)
IC1805	8-759-548-95	s	IC SN74LV00APWR
IC1806	8-759-549-01	s	IC SN74LV125APWR
IC1807	6-704-001-01	s	IC BR24L02F-WE2
IC1808 *2	8-759-549-01	s	IC SN74LV125APWR
IC1809 *2	8-759-196-93	s	IC TC7SH00FU-TE85R
IC1900	6-704-954-01	s	IC AIC1117A-50PYJTR
IC1902	6-701-174-01	s	IC MM1573DNLE
IC1903	6-706-740-01	s	IC BA00BC0WFP
IC1904	6-706-740-01	s	IC BA00BC0WFP
IC1905	6-706-740-01	s	IC BA00BC0WFP
IC1907	6-706-740-01	s	IC BA00BC0WFP
IC2000	8-759-337-40	s	IC NJM2904V(TE2)
IC2001	8-759-646-99	s	IC NJM4556AV(TE2)
IC2002	6-705-025-01	s	IC PQ20WZ1UJ00H
IC2003	8-759-337-40	s	IC NJM2904V(TE2)
J100	1-785-549-41	o	JACK, PIN YELLOW
J101	1-816-949-11	o	PIN JACK 3P
J102	1-695-473-11	s	JACK (EARPHONE)
J103	1-694-242-11	s	TERMINAL, S
L400	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L401	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L402	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L403	1-469-525-91	s	INDUCTOR 10UH (NLFV25)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L500	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L501	1-410-200-31	s	CHIP INDUCTOR
L502	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L503	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L504	1-412-058-11	s	INDUCTOR,SMALL TYPE 10UH
L600	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L601	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L602	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L900	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L1300	1-469-528-91	s	INDUCTOR 100UH (NLFV25)
L1502	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1503	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1504	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1505	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1602	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1603	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1604	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1605	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1702	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1703	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1704	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
L1705	1-469-522-11	s	INDUCTOR 1.0UH (NLFV25)
Q101	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q200 *2	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q400	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q401	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q402	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q500	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q501	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q502	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q503	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q504	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q505	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q506	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q507	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q508	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q509	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q510	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q511	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q512	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q513	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q514	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q515	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q516	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q517	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q518	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q519	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q520	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q521	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q522	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q900	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q901	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q902	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q903	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q904	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q905	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q906	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q907	8-729-029-14	s	TRANSISTOR DTC144EUA-T106

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q908	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q909	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q1300	8-729-028-96	s	TRANSISTOR DTC114EUA-T106
Q1301	6-550-354-01	s	TRANSISTOR RTQ035P02
Q1400	8-729-028-96	s	TRANSISTOR DTC114EUA-T106
Q1401	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1500	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1501	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1600	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1601	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1700	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1701	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1801 *2	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1802	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1803	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1804	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1805	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1806	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1807	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1808	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1809	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1810	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1811	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1812	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1813	6-550-014-01	s	TRANSISTOR SSM6N15FU(TE85R)
Q1900	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1902	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q1903	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1904	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1905	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1906	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1907	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1909	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1910	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1911	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1912	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1913	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q1914	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q1915	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q1916	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q2000	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q2001	8-729-905-35	s	TRANSISTOR 2SC4081-R
R105	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R106	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R107	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R108	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R109	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R110	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R111	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R112	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R113	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R114	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R115	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R116	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R122	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R124	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R127	1-218-937-11	s	RESISTOR, CHIP 47
R128	1-218-937-11	s	RESISTOR, CHIP 47

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R129	1-218-937-11	s	RESISTOR, CHIP 47
R131	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R133	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R135	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1005)
R136	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1005)
R137	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R138	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R139	1-216-813-11	s	RESISTOR, CHIP 220 1/10W 1608
R140	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R141	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R142	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R143	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R144	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R200 *2	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R201 *2	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R202 *2	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R203 *2	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R204 *2	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R205 *2	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R209	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R218	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R219 *2	1-218-969-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R220 *2	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R221 *2	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R222 *2	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R223 *2	1-218-955-11	s	RESISTOR, CHIP 1.5K
R224 *2	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R225 *2	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R226 *2	1-218-937-11	s	RESISTOR, CHIP 47
R227 *2	1-218-937-11	s	RESISTOR, CHIP 47
R228 *2	1-218-937-11	s	RESISTOR, CHIP 47
R229	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R230	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R231	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R232	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R234	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R400	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R402	1-218-937-11	s	RESISTOR, CHIP 47
R404	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R405	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R406	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R407	1-218-937-11	s	RESISTOR, CHIP 47
R408	1-218-937-11	s	RESISTOR, CHIP 47
R409	1-218-937-11	s	RESISTOR, CHIP 47
R410	1-218-937-11	s	RESISTOR, CHIP 47
R411	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R412	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R413	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R414	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R415	1-218-937-11	s	RESISTOR, CHIP 47
R416	1-218-937-11	s	RESISTOR, CHIP 47
R417	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R418	1-218-682-11	s	RESISTOR,CHIP 390 1/16W (1608)
R419	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R420	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R421	1-218-937-11	s	RESISTOR, CHIP 47
R422	1-218-937-11	s	RESISTOR, CHIP 47
R423	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R425	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R426	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R427	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R428	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R429	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R430	1-218-937-11	s	RESISTOR, CHIP 47
R431	1-218-937-11	s	RESISTOR, CHIP 47
R432	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R433	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R434	1-218-937-11	s	RESISTOR, CHIP 47
R435	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R500	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R501	1-218-955-11	s	RESISTOR, CHIP 1.5K
R502	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R503	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R504	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R505	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R506	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R507	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R508	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R509	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R510	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R511	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R512	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R513	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R514	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R515	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R516	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R517	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R518	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R519	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R520	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R521	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R523	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R524	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R525	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R526	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R527	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R528	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R529	1-218-952-11	s	RESISTOR, CHIP 820
R530	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R531	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R532	1-208-651-11	s	RESISTOR CHIP 47 1/16W (1005)
R533	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R534	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)
R535	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R536	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R537	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W(1005)
R538	1-218-952-11	s	RESISTOR, CHIP 820
R539	1-208-691-11	s	RESISTOR CHIP 2.2K 1/16W(1005)
R540	1-218-952-11	s	RESISTOR, CHIP 820
R541	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R542	1-218-966-11	s	RESISTOR, CHIP 12K
R543	1-218-971-11	s	RESISTOR,CHIP 33K 1/16W (1005)
R544	1-218-966-11	s	RESISTOR, CHIP 12K
R545	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R546	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R547	1-208-677-11	s	RESISTOR CHIP 560 1/16W (1005)
R548	1-218-937-11	s	RESISTOR, CHIP 47
R549	1-218-937-11	s	RESISTOR, CHIP 47

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R550	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R551	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R552	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R553	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R554	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R555	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R556	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R557	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R558	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R560	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R561	1-208-663-11	s	RESISTOR CHIP 150 1/16W (1005)
R600	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R601	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R602	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R603	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R604	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R606	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R609	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R610	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R611	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R613	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R615	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R616	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R617	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R619	1-211-987-11	s	RESISTOR,CHIP 56 1/10W (1608)
R621	1-218-823-11	s	RESISTOR,CHIP 100 1/10W (1608)
R626	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R629	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R630	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R634	1-211-985-11	s	RESISTOR,CHIP 47 1/10W (1608)
R635	1-211-979-11	s	RESISTOR,CHIP 27 1/10W (1608)
R637	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R639	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R700	1-218-937-11	s	RESISTOR, CHIP 47
R702	1-218-937-11	s	RESISTOR, CHIP 47
R703	1-218-937-11	s	RESISTOR, CHIP 47
R704	1-218-937-11	s	RESISTOR, CHIP 47
R705	1-218-937-11	s	RESISTOR, CHIP 47
R706	1-218-937-11	s	RESISTOR, CHIP 47
R707	1-218-937-11	s	RESISTOR, CHIP 47
R708	1-218-937-11	s	RESISTOR, CHIP 47
R709	1-218-937-11	s	RESISTOR, CHIP 47
R710	1-218-937-11	s	RESISTOR, CHIP 47
R711	1-218-937-11	s	RESISTOR, CHIP 47
R715	1-218-937-11	s	RESISTOR, CHIP 47
R716	1-218-937-11	s	RESISTOR, CHIP 47
R717	1-208-687-11	s	RESISTOR CHIP 1.5K 1/16W (1005
R718	1-218-937-11	s	RESISTOR, CHIP 47
R719	1-218-937-11	s	RESISTOR, CHIP 47
R720	1-218-937-11	s	RESISTOR, CHIP 47
R721	1-218-937-11	s	RESISTOR, CHIP 47
R722	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R723	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R800	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R801	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R802	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R900	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R901	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R902	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R903	1-218-937-11	s	RESISTOR, CHIP 47
R904	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R905	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R906	1-218-937-11	s	RESISTOR, CHIP 47
R907	1-218-937-11	s	RESISTOR, CHIP 47
R908	1-218-937-11	s	RESISTOR, CHIP 47
R909	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R910	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R911	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R912	1-208-689-11	s	RESISTOR CHIP 1.8K 1/16W(1005)
R913	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R914	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R915	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R916	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R917	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R918	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R919	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R920	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R921	1-208-947-11	s	RESISTOR CHIP 330K 1/16W(1005)
R922	1-218-937-11	s	RESISTOR, CHIP 47
R923	1-218-937-11	s	RESISTOR, CHIP 47
R924	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R925	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R926	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R928	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R929	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R930	1-218-937-11	s	RESISTOR, CHIP 47
R931	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R932	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R933	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R934	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R935	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R936	1-219-606-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R937	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R938	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R939	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R940	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R941	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R942	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R948	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R949	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R950	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R951	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R952	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R953	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R954	1-208-708-11	o	RESISTOR CHIP 11K 1/16W (1005)
R955	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R957	1-218-931-11	s	RESISTOR,CHIP 15 1/16W
R958	1-218-989-11	s	RESISTOR,CHIP 1M 1/16W (1005)
R959	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R960	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R961	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R962	1-218-937-11	s	RESISTOR, CHIP 47
R963	1-218-937-11	s	RESISTOR, CHIP 47
R964	1-218-937-11	s	RESISTOR, CHIP 47
R965	1-218-937-11	s	RESISTOR, CHIP 47
R967	1-218-937-11	s	RESISTOR, CHIP 47
R968	1-218-937-11	s	RESISTOR, CHIP 47
R969	1-218-937-11	s	RESISTOR, CHIP 47

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R970	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R971	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R972	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R973	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R974	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R975	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R976	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R977	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1000	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1001	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1008	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1010	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1011	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1012	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1013	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1015	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1016	1-219-570-11	s	RESISTOR,CHIP 10M 1/16W
R1017	1-218-937-11	s	RESISTOR, CHIP 47
R1018	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1020	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1021	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1023	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1025	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1026	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1028	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1030	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1031	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1032	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1033	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1037	1-218-937-11	s	RESISTOR, CHIP 47
R1038	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1039	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1040	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1041	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1101	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1102	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1103	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1104	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1105	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1106	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1107	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1108	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1109	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1110	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1111	1-218-937-11	s	RESISTOR, CHIP 47
R1112	1-218-937-11	s	RESISTOR, CHIP 47
R1113	1-218-937-11	s	RESISTOR, CHIP 47
R1114	1-218-937-11	s	RESISTOR, CHIP 47
R1115	1-218-937-11	s	RESISTOR, CHIP 47
R1116	1-218-937-11	s	RESISTOR, CHIP 47
R1117	1-218-937-11	s	RESISTOR, CHIP 47
R1118	1-218-937-11	s	RESISTOR, CHIP 47
R1119	1-218-937-11	s	RESISTOR, CHIP 47
R1120	1-218-937-11	s	RESISTOR, CHIP 47
R1121	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1122	1-218-937-11	s	RESISTOR, CHIP 47
R1123	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1124	1-218-937-11	s	RESISTOR, CHIP 47
R1201	1-208-675-11	s	RESISTOR CHIP 470 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1202	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R1301	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R1302	1-208-668-11	s	RES, METAL FILM CHIP 240(1005)
R1303	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R1304	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1305	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1306	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1307	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1308	1-219-570-11	s	RESISTOR,CHIP 10M 1/16W
R1309	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1310	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1311	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1312	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1313	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1314	1-218-949-11	s	RESISTOR,CHIP 470 1/16W
R1315	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1316	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1317	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1318	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1320	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1321	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1322	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1323	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1324	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1326	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1327	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1329	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1330	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1341	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1344	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1347	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1348	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1349	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1350	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1351	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1352	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1356	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1357	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1358	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1359	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1360	1-208-643-11	s	RESISTOR CHIP 22 1/16W (1005)
R1400	1-218-937-11	s	RESISTOR, CHIP 47
R1401	1-218-937-11	s	RESISTOR, CHIP 47
R1402	1-218-937-11	s	RESISTOR, CHIP 47
R1403	1-218-937-11	s	RESISTOR, CHIP 47
R1406	1-218-937-11	s	RESISTOR, CHIP 47
R1407	1-218-937-11	s	RESISTOR, CHIP 47
R1408	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1410	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1411	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1412	1-218-937-11	s	RESISTOR, CHIP 47
R1413	1-218-937-11	s	RESISTOR, CHIP 47
R1414	1-218-937-11	s	RESISTOR, CHIP 47
R1417	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1419	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1420	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1421	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1423	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1424	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1425	1-218-937-11	s	RESISTOR, CHIP 47
R1426	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1427	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1428	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1429	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1430	1-218-937-11	s	RESISTOR, CHIP 47
R1431	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1432	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1435	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1436	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1439	1-218-937-11	s	RESISTOR, CHIP 47
R1440	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1442	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1443	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1451	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1452	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1453	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1454	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1502	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1504	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1508	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1509	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1510	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1511	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1512	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1513	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1514	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1515	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1516	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1517	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1518	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1519	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1520	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1521	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1522	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1523	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1524	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1525	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1526	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1527	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1528	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1529	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1531	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1532	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1533	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1534	1-208-717-11	s	RESISTOR CHIP 27K 1/16W (1005)
R1536	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R1537	1-208-715-11	s	RESISTOR,CHIP 22K 1/16W (1005)
R1538	1-208-679-11	s	RESISTOR CHIP 680 1/16W (1005)
R1539	1-218-903-11	s	RESISTOR,CHIP 220K 1/10W(1608)
R1540	1-208-697-11	s	RESISTOR CHIP 3.9K 1/16W(1005)
R1541	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1602	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1603	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1604	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1605	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1610	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1611	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1612	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1613	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1614	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1615	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1616	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1617	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1618	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1619	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1620	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1621	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1622	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1623	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1624	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1625	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1626	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1627	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1628	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1629	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1630	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1631	1-208-697-11	s	RESISTOR CHIP 3.9K 1/16W(1005)
R1632	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1702	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1703	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1704	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1705	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1706	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1707	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1710	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1711	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1712	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1713	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1714	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1715	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1716	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1717	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1718	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1719	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1720	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1721	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1722	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1723	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1724	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1725	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1726	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1727	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R1728	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1729	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1730	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1731	1-208-697-11	s	RESISTOR CHIP 3.9K 1/16W(1005)
R1732	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1800	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1801 *2	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1802	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1803	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1804	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1805	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1806	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R1807	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R1808	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R1809	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1810	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1811	1-218-957-11	s	RESISTOR,CHIP 2.2K 1/16W(1005)
R1812	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1813	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1814	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1815	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1816	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1817	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1818	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1819	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1820	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1821	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1822	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1823	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1824	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1825	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1826	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1827	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1828	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1829	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1831	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1832	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1833	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1834	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1835	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1837	1-218-945-11	s	RESISTOR,CHIP 220 1/16W(1005)
R1839	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1840	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1841	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1844	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1845	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1846	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1847	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1848	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1850	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1851	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1852	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1853	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1854	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1856	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1857	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1858	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1859	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1860	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1861	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1862	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1863	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1864	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1865	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1866	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1867	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1868	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1869	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1870	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1871	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1872	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1873 *2	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R1874	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1875	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1876	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1877	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1878	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1879	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1880	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1881 *2	1-218-937-11	s	RESISTOR, CHIP 47
R1882 *2	1-218-937-11	s	RESISTOR, CHIP 47
R1885 *2	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1886 *2	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1887 *2	1-218-937-11	s	RESISTOR, CHIP 47
R1888 *2	1-218-937-11	s	RESISTOR, CHIP 47
R1889	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1890	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1891	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1892	1-218-977-11	s	RESISTOR,CHIP 100K 1/16W(1005)
R1893	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1895	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1896	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1897	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1898	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1899	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1900	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1912	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1915	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1918	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R1920	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R1922	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1926	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1928	1-218-943-11	s	RESISTOR,CHIP 150 1/16W
R1930	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1942	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R1943	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R1944	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R1945	1-219-598-11	s	RESISTOR, CHIP 47K 1/16W(1005)
R1946	1-208-701-11	s	RESISTOR CHIP 5.6K 1/16W(1005)
R1947	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R1948	1-219-600-11	s	RESISTOR, CHIP 56K 1/16W(1005)
R1949	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R1950	1-208-709-11	s	RESISTOR CHIP 12K 1/16W (1005)
R1951	1-208-928-11	s	RESISTOR,CHIP 51K (1005)
R1952	1-208-697-11	s	RESISTOR CHIP 3.9K 1/16W(1005)
R1953	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R1958	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R1959	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R1960	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R1961	1-208-711-11	s	RESISTOR CHIP 15K 1/16W (1005)
R1962	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1963	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1964	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R1965	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1967	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1968	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1969	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1970	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1971	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R1972	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1973	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1974	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1975	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1976	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1977	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R1978	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1979	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1980	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R1981	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1982	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1983	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1984	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1985	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1986	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1987	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R1988	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2000	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2002	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2004	1-218-981-11	s	RESISTOR CHIP 220K 1/16W(1005)
R2005	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2006	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R2007	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R2008	1-218-905-11	s	RESISTOR,CHIP 270K 1/10W1608)
R2009	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R2010	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R2011	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R2012	1-218-911-11	s	RESISTOR,CHIP 470K 1/10W(1608)
R2013	1-208-689-11	s	RESISTOR CHIP 1.8K 1/16W(1005)
R2014	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R2015	1-218-911-11	s	RESISTOR,CHIP 470K 1/10W(1608)
R2016	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R2017	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R2018	1-208-679-11	s	RESISTOR CHIP 680 1/16W (1005)
R2019	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R2020	1-208-679-11	s	RESISTOR CHIP 680 1/16W (1005)
R2021	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R2022	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R2023	1-208-687-11	s	RESISTOR CHIP 1.5K 1/16W (1005
R2024	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2025	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R2027	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2028	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2029	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R2030	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R2031	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R2032	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2033	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R2034	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R2035	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R2036	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R2037	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R2038	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R2039	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R2040	1-208-703-11	s	RESISTOR,CHIP 6.8K 1/16W(1005)
R2041	1-208-699-11	s	RESISTOR,CHIP 4.7K 1/16W(1005)
R2042	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R2043	1-218-929-11	s	RESISTOR,CHIP 10 1/16W (1005)
R2044	1-208-713-11	s	RESISTOR CHIP 18K 1/16W (1005)
R2100	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2101	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2102 *2	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R2103	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
R2104	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W	
RB400	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB401	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB402	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB403	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB404	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB405	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB600	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB601	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB602	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB603	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB700	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB701	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB702	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB703	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB704	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB705	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB706	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB707	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB708	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB709	1-242-963-21	s	RES, NETWORK 33X4	(1005)
RB710	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB800	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB801	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB802	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB803	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB804	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB805	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB806	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB807	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB808	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB809	1-234-795-21	s	RES, NETWORK 0X4	(2010)
RB1000	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1001	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1002	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1003	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1004	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1005	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1006	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1007	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1008	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1009	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1010	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1011	1-234-381-21	s	RES, NETWORK 100KX4	(1005)
RB1100	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1101	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1102	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1103	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1104	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1105	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1106	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1107	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1108	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1109	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1110	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1111	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1112	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1113	1-234-371-11	s	RES, NETWORK 47X4	(1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
RB1114	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1115	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1116	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1117	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1118	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1119	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1120	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1121	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1122	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1123	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1124	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1125	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1126	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1127	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1128	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1129	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1200	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1201	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1202	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1203	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1204	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1205	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1206	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1207	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1208	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1209	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1210	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1211	1-234-702-11	s	RESISTOR, NETWORK 68X4	(1005)
RB1300	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1301	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1302	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1303	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1304	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1305	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1306	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1307	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1400	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1401	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1402	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1403	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1404	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1405	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1406	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1407	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1408	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1409	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1410	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1411	1-234-380-11	s	RESISTOR,NETWORK 47KX4	(1005)
RB1412	1-234-380-11	s	RESISTOR,NETWORK 47KX4	(1005)
RB1413	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1414	1-234-369-21	s	RES, NETWORK 10X4	(1005)
RB1415	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1416	1-234-371-11	s	RES, NETWORK 47X4	(1005)
RB1417	1-234-380-11	s	RESISTOR,NETWORK 47KX4	(1005)
RB1418	1-234-380-11	s	RESISTOR,NETWORK 47KX4	(1005)
RB1500	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1501	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1600	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1601	1-234-370-11	s	RES, NETWORK 22X4	(1005)

(C BOARD)

Ref. No. or Q'ty	Part No.	SP	Description	
RB1700	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1701	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB1800	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1803	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB1804	1-234-378-11	s	RES, NETWORK 10KX4	(1005)
RB1806	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1807	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1808	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1809	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1810	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1811	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1812	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1813	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1814	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1815	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1816	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1817	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1818	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1819	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1820	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1821	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1822	1-234-372-11	s	RES, NETWORK 100X4	(1005)
RB1823	1-234-372-11	s	RES, NETWORK 100X4	(1005)
S1400	1-771-337-21	s	SWITCH, SLIDE	
TH1800	1-803-382-21	s	THERMISTOR	(1005)
TH1801	1-803-382-21	s	THERMISTOR	(1005)
TP1400	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP1500	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP1505	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP1600	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP1700	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP1800	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP2000	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
X200 *2	1-781-994-21	s	VIBRATOR, CRYSTAL	
X500	1-760-273-11	s	VIBRATOR, CRYSTAL	
X600	1-795-219-21	s	VIBRATOR, CRYSTAL	
X900	1-795-416-21	s	VIBRATOR, CRYSTAL	
X1000	1-795-416-21	s	VIBRATOR, CRYSTAL	
X1300	1-813-326-21	s	VIBRATOR, CRYSTAL	
X1301	1-813-326-21	s	VIBRATOR, CRYSTAL	
X1800	1-813-326-21	s	VIBRATOR, CRYSTAL	

F BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1076-324-A	s	MOUNTED CIRCUIT BOARD, F
CN10	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
CN11	⚠ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN12	⚠ 1-691-756-11	o	PIN, CONNECTOR(PC BOARD) 2P
CN13	⚠ 1-691-961-11	o	PIN, CONNECTOR (PC BOARD) 2P
CN14	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
F10	1-576-659-11	s	FUSE (5A 250V)

GA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1070-686-A	s	MOUNTED CIRCUIT BOARD, GA
2pcs	4-382-854-11	s	SCREW,+PSW M3X10(EP-FE/ZNBK/CM
1pc	7-322-065-48	o	RUBBER, SILICONE RTV (KE-3490)
C100	⚠ 1-165-530-11	s	CAPACITOR,FILM(ACROSS)0.47MF
C101	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C102	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C103	⚠ 1-165-529-31	s	CAP,AC M/P 0.22U 275 M (B8113)
C105	1-100-915-11	s	CAPACITOR, PE FILM 0.47MF
C106	⚠ 1-107-680-91	s	CAP, ELECT 22MF/450V
C107	1-107-974-11	s	CAPACITOR CERAMIC 47PF/2KVDC
C108	1-126-601-11	s	CAPACITOR,ELECT 2.2MF/50V
C109	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C110	1-107-905-11	s	CAPACITOR,ELECT 4.7MF/50V
C111	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C112	1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C113	1-115-710-11	s	CAPACITOR,ELECT 1000MF/6.3V
C115	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C116	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C117	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C118	1-115-733-11	s	CAPACITOR ELECT 470MF/10V 105C
C119	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C120	1-165-908-11	s	CAP, CERAMIC 1MF B 1608
C121	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C300	1-137-639-11	s	CAPACITOR,PE FILM 0.47MF
C301	1-117-228-11	s	CAPACITOR,FILM 2.2MF/450V
C302	1-104-332-11	s	CAPACITOR CERAMIC 470PF/2KVDC
C303	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C304	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C305	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C306	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C307	1-125-898-11	s	CAPACITOR, CERAMIC 0.22MF 50V
C308	1-117-751-11	s	CAPACITOR, ELECT 220MF/450V
CN100	⚠ 1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN101	1-779-884-11	s	PLUG, CONNECTOR 4P
CN300	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
CN301	⚠ 1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
D100	⚠ 6-500-839-01	s	DIODE D1UBA80
D101	8-719-404-50	s	DIODE MA111-TX
D103	8-719-404-50	s	DIODE MA111-TX
D104	8-719-036-94	s	DIODE RD5.6SB-T1
D105	8-719-077-42	s	DIODE BZT03-C180
D106	6-500-849-01	s	DIODE ERA22-08KFLB
D107	8-719-055-33	s	DIODE DIFL40
D108	8-719-055-30	s	DIODE D1FS4A-TA
D109	8-719-083-85	s	DIODE UDZSTE-1722B
D300	⚠ 8-719-066-75	s	DIODE D6SB80
D301	8-719-056-48	s	DIODE 1SS388(TPL3)
D302	8-719-304-63	s	DIODE RM11C (RECTI)
FB100	1-216-295-91	s	CONDUCTOR, CHIP (2012)
FB102	1-469-670-11	o	FERRITE, EMI (SMD)
FB103	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB300	1-410-397-21	s	FERRITE BEAD INDUCTOR
IC100	6-600-279-01	s	IC STR-A6169
IC101	8-759-183-53	s	IC TL431CPK-E2
IC102	6-702-302-01	s	IC TK11133CSCL-G
IC300	8-749-015-27	s	IC MZ1540
L100	⚠ 1-456-134-21	s	COIL, LINE FILTER

(GA BOARD)

Ref. No. or Q'ty		Part No.	SP	Description
L101	⚠	1-406-977-21	s	COIL, CHOKE 100UH
L102		1-416-510-21	s	COIL, CHOKE 100UH
L103	⚠	1-406-977-21	s	COIL, CHOKE 100UH
L300	⚠	1-419-764-11	s	COIL, CHOKE 330UH
L301	⚠	1-456-133-31	s	COIL, CHOKE 200UH
PH100	⚠	8-749-016-82	s	PHOTO COUPLER PC123GY2J00F
Q100		8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q101		8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
R100	⚠	1-219-759-11	s	RESISTOR (SURGE RESISTANT) 1M
R102		1-218-232-91	s	RESISTOR CHIP 4.7 1/2W (4532)
R103		1-218-232-91	s	RESISTOR CHIP 4.7 1/2W (4532)
R104		1-249-393-11	s	RES,CARBON 10 1/4W
R105		1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R106		1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R107		1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R108		1-218-857-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R109		1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R110		1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R111		1-211-981-11	s	RESISTOR,CHIP 33 1/10W (1608)
R112		1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R113		1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R300		1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R301		1-245-415-11	s	RESISTOR, METAL PLATE
RY100	⚠	1-755-356-11	s	RELAY
T100	⚠	1-443-299-11	s	CONVERTER TRANSFORMER (SBT)
TH100	⚠	1-803-586-41	s	THERMISTOR
TH101	⚠	1-810-509-11	s	THERMISTOR,POWER
VDR100	⚠	1-804-995-21	s	VARISTOR

GB BOARD

Ref. No. or Q'ty		Part No.	SP	Description
1pc		A-1070-687-A	s	MOUNTED CIRCUIT BOARD, GB
C350		1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C351		1-136-479-11	s	CAPACITOR FILM 0.001MF/100V PP
C352		1-127-692-91	s	CAP, CHIP CERAMIC 10MF B 3216
C353		1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C354		1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C355		1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C356		1-130-495-00	s	CAPACITOR FILM 0.1MF/50V PETP
C357		1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C358		1-135-834-11	s	CAPACITOR, CERAMIC 2200000PF
C359		1-137-754-82	s	CAP, METALIZED PP FILM 6800PF
C360		1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C361		1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C362		1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C400	⚠	1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C401		1-127-820-11	s	CAPACITOR, SQUARE CHIP 4.7MF
C402		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C403		1-128-946-11	s	CAP, ELECT 2200MF / 10V
C404		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C405		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C406		1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C407		1-115-789-11	s	CAPACITOR ELECT 1000MF/25V 105
C408		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C409		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C410		1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C411		1-164-230-11	s	CAPACITOR,CERAMIC 220PF/50V
C412		1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C413		1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C414		1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C415		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C416		1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C417		1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C418		1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C419		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C420		1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C421		1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C422		1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C423		1-125-837-91	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C424		1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
C425		1-117-720-11	s	CAPACITOR, CERAMIC 4.7MF/10V F
C426		1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C427		1-135-960-91	s	CAP, CHIP CERAMIC 10MF B(3225)
C428		1-100-421-21	s	CAP, ELECT 220MF (6.3X5.9)
C429		1-100-421-21	s	CAP, ELECT 220MF (6.3X5.9)
CN350	⚠	1-779-658-11	o	PIN, CONNECTOR (PC BOARD) 4P
CN400		1-764-782-11	o	HOUSING, CONNECTOR 24P
D350		8-719-107-13	s	DIODE RD18M-B1
D351		8-719-404-50	s	DIODE MA111-TX
D352		8-719-979-64	s	DIODE UF4005/23
D353		8-719-118-12	s	DIODE RD33M-B
D354		8-719-073-52	s	DIODE D2FS6-TA
D355		8-719-055-30	s	DIODE D1FS4A-TA
D400		8-719-404-50	s	DIODE MA111-TX
D401		8-719-510-09	s	DIODE D10SC6M (RECTI)
D402		8-719-510-12	s	DIODE D10SC4M
D403		8-719-106-23	s	DIODE RD7.5M-B2
D404		8-719-106-23	s	DIODE RD7.5M-B2

(GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D405	8-719-106-23	s	DIODE RD7.5M-B2
D406	8-719-510-09	s	DIODE D10SC6M (RECTI)
D407	8-719-404-50	s	DIODE MA111-TX
D408	8-719-404-50	s	DIODE MA111-TX
D409	8-719-404-50	s	DIODE MA111-TX
D410	8-719-404-50	s	DIODE MA111-TX
D411	8-719-404-50	s	DIODE MA111-TX
D412	8-719-404-50	s	DIODE MA111-TX
D413	8-719-404-50	s	DIODE MA111-TX
D414	8-719-404-50	s	DIODE MA111-TX
D415	8-719-404-50	s	DIODE MA111-TX
D416	8-719-056-48	s	DIODE 1SS388(TPL3)
D417	8-719-056-48	s	DIODE 1SS388(TPL3)
D418	8-719-404-50	s	DIODE MA111-TX
D419	8-719-404-50	s	DIODE MA111-TX
D420	8-719-404-50	s	DIODE MA111-TX
FB400	1-469-670-11	o	FERRITE, EMI (SMD)
FB401	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB402	1-469-670-11	o	FERRITE, EMI (SMD)
FB403	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB404	1-469-670-11	o	FERRITE, EMI (SMD)
FB405	1-469-670-11	o	FERRITE, EMI (SMD)
FB406	1-469-670-11	o	FERRITE, EMI (SMD)
FB407	1-410-397-21	s	FERRITE BEAD INDUCTOR
FL402	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
FL403	1-234-494-21	s	FILTER, EMI REMOVAL (SMD)
IC350	6-705-768-01	s	IC MCZ3001UB
IC351	8-759-643-48	s	IC BA00ASFP-E2
IC400	8-759-066-55	s	IC TA75W393FU
IC401	8-759-388-23	s	IC TL431BCDR2
IC402	6-704-954-01	s	IC AIC1117A-50PYJTR
IC403	6-707-357-01	s	IC LTC3728LXCUH#TR-R5
L400	1-416-949-21	s	COIL, CHOKE (SMD)
L401	1-416-949-21	s	COIL, CHOKE (SMD)
PH400	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2J00F
PH401	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2J00F
PH402	⚠ 8-749-016-82	s	PHOTO COUPLER PC123GY2J00F
Q350	8-729-230-27	s	TRANSISTOR 2SA1213Y-TE12L
Q351	⚠ 8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q352	⚠ 8-729-052-29	s	TRANSISTOR 2SK2876-01MR-F122
Q353	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q354	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q400	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q401	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q402	6-550-596-01	s	TRANSISTOR FDC658P
Q403	6-550-596-01	s	TRANSISTOR FDC658P
Q404	6-550-596-01	s	TRANSISTOR FDC658P
Q405	8-729-054-68	s	TRANSISTOR FDS6986S
Q406	8-729-054-68	s	TRANSISTOR FDS6986S
Q407	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q408	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q409	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q410	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q411	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R351	1-216-836-11	s	RESISTOR, CHIP 18K 1/10W 1608

(GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R352	1-218-873-11	s	RESISTOR,CHIP 12K 1/10W (1608)
R353	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R354	1-218-843-11	s	RESISTOR,CHIP 680 1/10W (1608)
R355	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R356	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R357	1-249-389-11	s	RES,CARBON 4.7 1/4W
R358	1-218-877-11	s	RESISTOR,CHIP 18K 1/10W (1608)
R359	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R360	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R361	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R362	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R363	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R364	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R365	1-216-815-11	s	RESISTOR,CHIP 330 1/10W 1608
R366	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R367	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R368	1-202-933-61	s	RESISTOR, FUSE 0.1 1/2W
R369	1-243-803-71	s	RES, OXIDE METAL FILM 0.33
R371	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R372	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R373	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R374	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R375	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R376	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R378	1-218-889-11	s	RESISTOR,CHIP 56K 1/10W(1608)
R379	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R380	1-218-855-11	s	RESISTOR,CHIP 2.2K 1/10W(1608)
R400	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R401	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R402	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/10W(1608)
R403	1-216-845-11	s	RESISTOR,CHIP 100K 1/10W(1608)
R404	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R405	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R406	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R407	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R408	1-216-839-11	s	RESISTOR,CHIP 33K 1/10W 1608
R409	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R410	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R411	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R412	1-216-837-11	s	RESISTOR,CHIP 22K 1/10W 1608
R413	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R414	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R415	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R416	1-218-859-11	s	RESISTOR,CHIP 3.3K 1/10W(1608)
R417	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R418	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R419	1-218-861-11	s	RESISTOR,CHIP 3.9K 1/10W(1608)
R420	1-218-857-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R421	1-218-855-11	s	RESISTOR,CHIP 2.2K 1/10W(1608)
R422	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R423	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R424	1-218-863-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R425	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R426	1-218-887-11	s	RESISTOR,CHIP 47K 1/10W (1608)
R427	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R428	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R429	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R430	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R431	1-218-895-11	s	RESISTOR,CHIP 100K 1/10W(1608)

(GB BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R432	1-218-899-11	s	RESISTOR,CHIP 150K 1/10W(1608)
R433	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608
R434	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R435	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R436	1-216-841-11	s	RESISTOR, CHIP 47K 1/10W 1608
R437	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/10W 1608
R438	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R439	1-216-797-11	s	RESISTOR,CHIP 10 1/10W 1608
R440	1-220-915-91	s	RES, METAL OXIDE 0.033 1/4W
R441	1-240-038-91	s	RES, METAL FILM 0.022 (2012)
R442	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R443	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R444	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R445	1-216-835-11	s	RESISTOR,CHIP 15K 1/10W
R446	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R447	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/10W(1608)
R448	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R449	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R450	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R451	1-216-833-11	s	RESISTOR,CHIP 10K 1/10W (1608)
R452	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R453	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R454	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R455	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R456	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
R457	1-216-817-11	s	RESISTOR,CHIP 470 1/10W 1608
T300	⚠ 1-437-301-31	s	TRANSFORMER, CONVERTER (PIT)

HA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-969-A	s	MOUNTED CIRCUIT BOARD, HA
C81	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
CN80	1-770-625-21	s	PIN, CONNECTOR 8P
D80	8-719-045-61	s	DIODE SEC1901C
D81	8-719-045-61	s	DIODE SEC1901C
D82	8-719-045-51	s	DIODE SEC2422C
D83	8-719-045-53	s	DIODE SEC1801C
D84	8-719-914-44	s	DIODE DAP202K (DUAL)
D85	8-719-914-43	s	DIODE DAN202K
D86	8-719-914-44	s	DIODE DAP202K (DUAL)
D87	8-719-914-44	s	DIODE DAP202K (DUAL)
D89	8-719-914-43	s	DIODE DAN202K
D90	8-719-914-44	s	DIODE DAP202K (DUAL)
D91	8-719-914-43	s	DIODE DAN202K
Q80	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q81	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q82	8-729-040-87	s	TRANSISTOR 2SJ463A-T1
Q83	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q84	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q85	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R89	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R90	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R91	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R92	1-218-973-11	s	RESISTOR,CHIP 47K 1/16W (1005)
R93	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R94	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)

HB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-970-A	s	MOUNTED CIRCUIT BOARD, HB
C060	1-131-992-11	s	CAP, CERAMIC 100000PF F 1608
CN60	1-770-620-21	s	PIN, CONNECTOR 3P
D60	8-719-914-44	s	DIODE DAP202K (DUAL)
D61	8-719-914-43	s	DIODE DAN202K
R60	1-216-838-11	s	RESISTOR CHIP 27K 1/10W(1608)
R61	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R62	1-218-867-11	s	RESISTOR,CHIP 6.8K 1/10W(1608)
R63	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/10W 1608
R64	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/10W(1608)
R65	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/10W 1608
R66	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/10W
R67	1-218-853-11	s	RESISTOR,CHIP 1.8K 1/10W(1608)
S60	1-786-651-11	s	TACTILE SWITCH
S61	1-771-105-11	s	SWITCH, TACTILE
S62	1-771-105-11	s	SWITCH, TACTILE
S63	1-771-105-11	s	SWITCH, TACTILE

L BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-962-A	s	MOUNTED CIRCUIT BOARD, L
C001	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN001	1-770-620-21	s	PIN, CONNECTOR 3P
D001	8-719-084-01	s	DIODE (LED) NSCW215T
R001	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)

NF BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-960-A	s	MOUNTED CIRCUIT BOARD, NF
C40	1-115-156-11	s	CAPACITOR,CERAMIC 1MF/10V(1608
CN40	1-770-621-21	s	PIN, CONNECTOR 4P
IC40	6-600-419-01	s	IC RS-790N-T
R040	1-216-805-11	s	RESISTOR,CHIP 47 1/10W 1608
R041	1-216-809-11	s	RESISTOR,CHIP 100 1/10W 1608

Q BOARD (FOR VPL-HS51A)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1164-047-A	s	MOUNTED CIRCUIT BOARD, Q
C5000	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5002	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5003	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C5004	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5005	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5006	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5007	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5008	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5009	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C5010	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5011	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5012	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5013	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5014	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C5015	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5016	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C5017	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5018	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C5019	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5020	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5021	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5022	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5023	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5024	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5025	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5026	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5027	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5028	1-126-205-11	s	CAPACITOR,ELECT 47MF/6.3
C5029	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5030	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5031	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5032	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5033	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5034	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C5035	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
C5036	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
C5037	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
C5038	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
C5040	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6003	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6004	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6005	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6006	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6007	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6008	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6009	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6010	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6011	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6012	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6013	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6014	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C6015	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6016	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6017	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6018	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6019	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6020	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V

(Q BOARD (FOR VPL-HS51A))

Ref. No. or Q'ty	Part No.	SP	Description
C6021	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6022	1-125-777-11	s	CAPACITOR CERAMIC 0.1MF/10V
C6024	1-164-941-11	s	CAPACITOR,CHIP CERAMIC 4700/16
CN5000	1-815-187-11	s	JACK, MODULAR
CN5002	1-770-625-21	s	PIN, CONNECTOR 8P
CN6000	1-569-775-11	o	PIN, CONNECTOR
D5001	8-719-421-69	s	DIODE MA133
D5002	8-719-421-69	s	DIODE MA133
D5003	8-719-421-69	s	DIODE MA133
D5004	8-719-421-69	s	DIODE MA133
D5006	8-719-941-86	s	DIODE DAN202U
D6000	8-719-045-61	s	DIODE SEC1901C
FB5000	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5001	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5002	1-469-670-11	o	FERRITE, EMI (SMD)
FB5003	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5004	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5005	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5006	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5007	1-469-670-11	o	FERRITE, EMI (SMD)
FB5008	1-469-670-11	o	FERRITE, EMI (SMD)
FB5009	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB5010	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB6000	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC5001	6-704-953-01	s	IC AIC1117A-33PYJTR
IC5002	6-704-843-01	s	IC AIC1117A-PEJTR
IC5003	6-706-155-01	s	IC MT48LC2M32B2P-6-Y14W
IC5004	6-806-184-01	s	IC S29AL016D70TFI020-825IP100
IC6002	6-705-177-01	s	IC W95640-WDW6T
IC6004	6-703-225-01	s	IC S-80928CNMC-G8YT2G
Q6000	6-550-549-01	s	TRANSISTOR DTC114EUAFT106
R5000	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R5001	1-218-965-11	s	RESISTOR, CHIP 10K 1/16W
R5002	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R5003	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R5005	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5006	1-208-653-11	s	RESISTOR CHIP 56 1/16W (1005)
R5007	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R5008	1-208-653-11	s	RESISTOR CHIP 56 1/16W (1005)
R5009	1-208-695-11	s	RESISTOR CHIP 3.3K 1/16W(1005)
R5010	1-208-707-11	s	RESISTOR,CHIP 10K 1/16W (1005)
R5011	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5012	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5013	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5014	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5015	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5016	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5020	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5021	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5022	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5023	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5025	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5026	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5027	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5028	1-218-955-11	s	RESISTOR, CHIP 1.5K
R5029	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5032	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W

(Q BOARD (FOR VPL-HS51A))

Ref. No. or Q'ty	Part No.	SP	Description
R5033	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5034	1-208-683-11	s	RESISTOR CHIP 1K 1/16W (1005)
R5035	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5036	1-208-659-11	s	RESISTOR CHIP 100 1/16W (1005)
R5037	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5038	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5039	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5040	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5041	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5042	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5043	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5044	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5045	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5046	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5047	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5048	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R5052	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5053	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5054	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R5055	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R6001	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6007	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6008	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6009	1-218-952-11	s	RESISTOR, CHIP 820
R6010	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6011	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6012	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6013	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6014	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6015	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R6016	1-218-952-11	s	RESISTOR, CHIP 820
R6017	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6019	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6020	1-218-947-11	s	RESISTOR, CHIP 330 1/16W
R6021	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1005)
R6022	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6023	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6024	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6025	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6026	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6027	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6028	1-218-953-11	s	RESISTOR, CHIP 1K 1/16W
R6029	1-218-952-11	s	RESISTOR, CHIP 820
R6030	1-218-967-11	s	RESISTOR,CHIP 15K 1/16W (1005)
R6032	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6033	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6034	1-218-937-11	s	RESISTOR, CHIP 47
R6035	1-218-935-11	s	RESISTOR,CHIP 33 1/16W (1005)
R6036	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R6037	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R6038	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R6039	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6040	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6041	1-218-941-81	s	RESISTOR,CHIP 100,1/16W (1005)
R6042	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6043	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6052	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)
R6053	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W
R6057	1-218-990-11	s	RESISTOR,CHIP 0 1/16W (1005)

(Q BOARD (FOR VPL-HS51A))

Ref. No. or Q'ty	Part No.	SP	Description	
R6058	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W	
R6059	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W	
R6060	1-218-961-11	s	RESISTOR, CHIP 4.7K 1/16W	
RB6000	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6001	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6002	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6003	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6004	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6005	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6006	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6007	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6008	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6009	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6010	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6011	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6012	1-234-370-11	s	RES, NETWORK 22X4	(1005)
RB6013	1-234-370-11	s	RES, NETWORK 22X4	(1005)
TP5000	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP5001	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
TP5002	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)	
X5000	1-781-345-11	s	OSCILLATOR, CRYSTAL	
X6001	1-813-112-21	s	OSCILLATOR, CRYSTAL	

TA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1086-806-A	s	MOUNTED CIRCUIT BOARD, TA
C50	1-107-820-11	s	CAPACITOR,CHIP CERAMIC 0.1MF F
CN50	1-770-619-11	s	PIN, CONNECTOR 2P
TH50	1-803-382-21	s	THERMISTOR (1005)

U BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-964-A	s	MOUNTED CIRCUIT BOARD, U
CN20	1-770-619-11	s	PIN, CONNECTOR 2P
S20	1-570-504-12	s	SWITCH, MICRO

V BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1057-965-A	s	MOUNTED CIRCUIT BOARD, V
CN30	1-770-619-11	s	PIN, CONNECTOR 2P
S30	1-570-504-12	s	SWITCH, MICRO

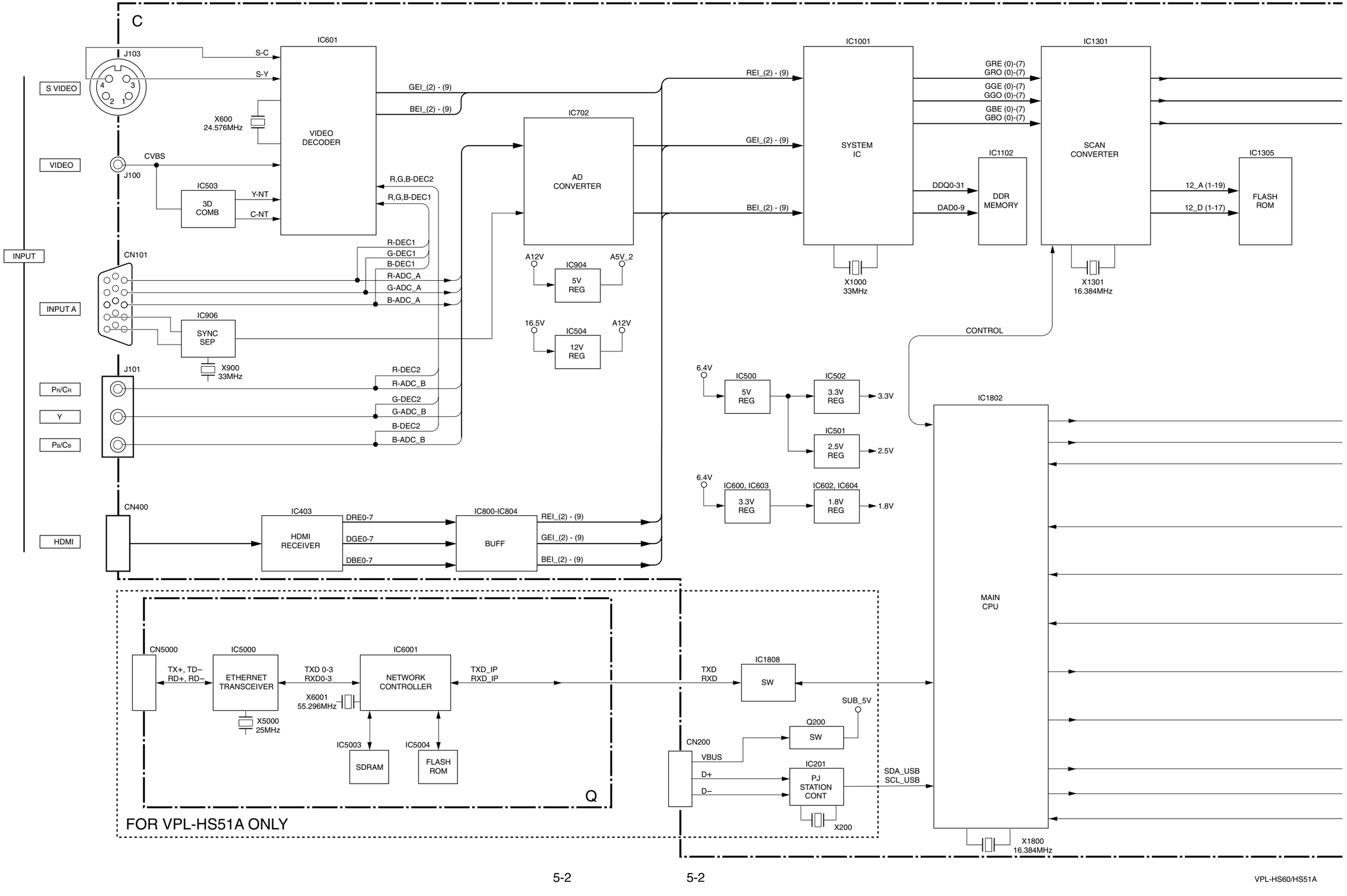
4-4. Packing Materials & Supplied Accessories

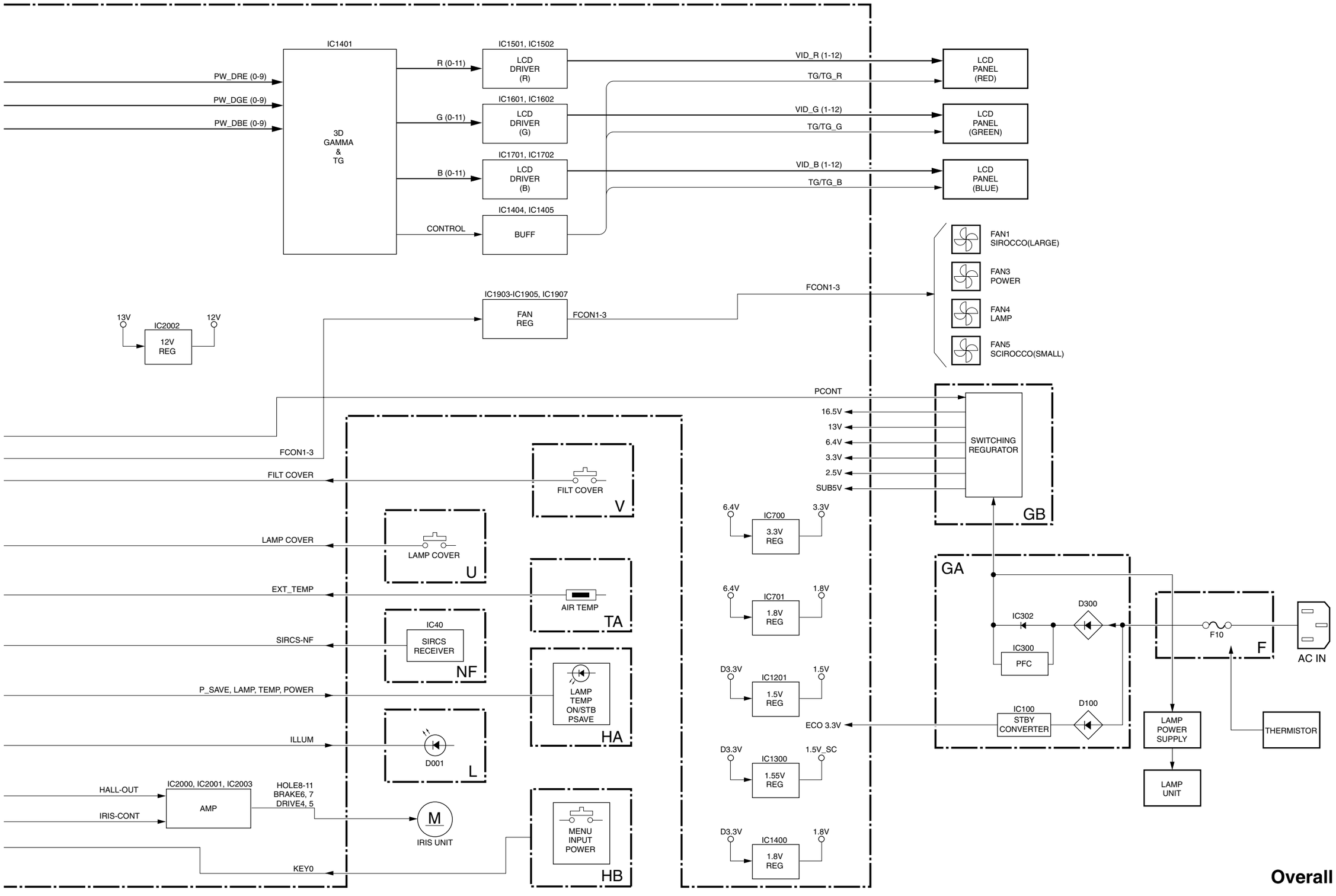
PACKING MATERIALS & SUPPLIED ACCESSORIES
---

*1:[VPL-HS60]
*2:[VPL-HS51A]

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-479-105-12	s	REMOTE COMMANDER (RM-PJHS50)
1pc	9-885-028-14	s	BATTERY COVER (FOR RM-PJHS50)
1pc	⚠ ----------		CORD, POWER
(See Sec.1-9. Warning on Power Connection)			
1pc	*1 2-654-967-01	s	OPERATING INSTRUCTIONS (JAPANESE, SIMPLIFIED CHINESE)
1pc	2-654-967-11	s	OPERATING INSTRUCTIONS (ENGLISH)
1pc	*1 2-654-967-21	s	OPERATING INSTRUCTIONS (FRENCH, SPANISH))
1pc	*1 2-654-967-31	s	OPERATING INSTRUCTIONS (GERMAN, ITALIAN)
1pc	3-704-353-01	s	SHEET (STANDARD), PROTECTION
1pc	*2 4-099-346-02	s	PACK, CD-ROM

Section 5
Block Diagrams


C
S VIDEO
J103
S-C
S-Y
IC601
VIDEO DECODER
X600 24.576MHz
GEI_(2) - (9)
BEI_(2) - (9)
VIDEO
CVBS
J100
IC503
3D COMB
Y-NT
C-NT
R,G,B-DEC2
R,G,B-DEC1
INPUT
CN101
R-DEC1
G-DEC1
B-DEC1
R-ADC_A
G-ADC_A
B-ADC_A
INPUT A
IC906
SYNC SEP
X900 33MHz
J101
PR/CR
Y
PB/CB
R-DEC2
R-ADC_B
G-DEC2
G-ADC_B
B-DEC2
B-ADC_B
CN400
HDMI
IC403
HDMI RECEIVER
DRE0-7
DGE0-7
DBE0-7
IC800-IC804
BUFF
REI_(2) - (9)
GEI_(2) - (9)
BEI_(2) - (9)
IC702
AD CONVERTER
A12V
IC904
5V REG
A5V_2
16.5V
IC504
12V REG
A12V
IC1001
SYSTEM IC
X1000 33MHz
DDQ0-31
DAD0-9
IC1102
DDR MEMORY
GRE (0)-(7)
GRO (0)-(7)
GGE (0)-(7)
GGO (0)-(7)
GBE (0)-(7)
GBO (0)-(7)
IC1301
SCAN CONVERTER
X1301 16.384MHz
12_A (1-19)
12_D (1-17)
IC1305
FLASH ROM
CONTROL
6.4V
IC500
5V REG
IC502
3.3V REG
3.3V
IC501
2.5V REG
2.5V
6.4V
IC600, IC603
3.3V REG
IC602, IC604
1.8V REG
1.8V
IC1802
MAIN CPU
X1800 16.384MHz
CN5000
TX+, TD–
RD+, RD–
IC5000
ETHERNET TRANSCEIVER
X5000 25MHz
TXD 0-3
RXD0-3
IC6001
NETWORK CONTROLLER
X6001 55.296MHz
TXD_IP
RXD_IP
IC5003
SDRAM
IC5004
FLASH ROM
Q
FOR VPL-HS51A ONLY
TXD
RXD
IC1808
SW
SUB_5V
Q200
SW
CN200
VBUS
D+
D–
IC201
PJ STATION CONT
X200
SDA_USB
SCL_USB


IC1401
PW_DRE (0-9)
PW_DGE (0-9)
PW_DBE (0-9)
3D
GAMMA
&
TG
R (0-11)
G (0-11)
B (0-11)
CONTROL
IC1501, IC1502
LCD
DRIVER
(R)
IC1601, IC1602
LCD
DRIVER
(G)
IC1701, IC1702
LCD
DRIVER
(B)
IC1404, IC1405
BUFF
VID_R (1-12)
TG/TG_R
VID_G (1-12)
TG/TG_G
VID_B (1-12)
TG/TG_B
LCD
PANEL
(RED)
LCD
PANEL
(GREEN)
LCD
PANEL
(BLUE)
FAN1
SIROCCO(LARGE)
FAN3
POWER
FAN4
LAMP
FAN5
SCIROCCO(SMALL)
IC1903-IC1905, IC1907
FAN
REG
FCON1-3
FCON1-3
13V
12V
IC2002
12V
REG
PCONT
16.5V
13V
6.4V
3.3V
2.5V
SUB5V
SWITCHING
REGURATOR
GB
FCON1-3
FILT COVER
FILT COVER
V
LAMP COVER
LAMP COVER
U
EXT_TEMP
AIR TEMP
TA
SIRCS-NF
IC40
SIRCS
RECEIVER
NF
P_SAVE, LAMP, TEMP, POWER
LAMP
TEMP
ON/STB
PSAVE
HA
ILLUM
D001
L
HALL-OUT
IRIS-CONT
IC2000, IC2001, IC2003
AMP
HOLE8-11
BRAKE6, 7
DRIVE4, 5
M
IRIS UNIT
KEY0
MENU
INPUT
POWER
HB
6.4V
IC700
3.3V
3.3V
REG
6.4V
IC701
1.8V
1.8V
REG
D3.3V
IC1201
1.5V
1.5V
REG
D3.3V
IC1300
1.55V
1.5V_SC
REG
D3.3V
IC1400
1.8V
1.8V
REG
GA
IC302
D300
IC300
PFC
F10
F
AC IN
ECO 3.3V
IC100
STBY
CONVERTER
D100
LAMP
POWER
SUPPLY
THERMISTOR
LAMP
UNIT

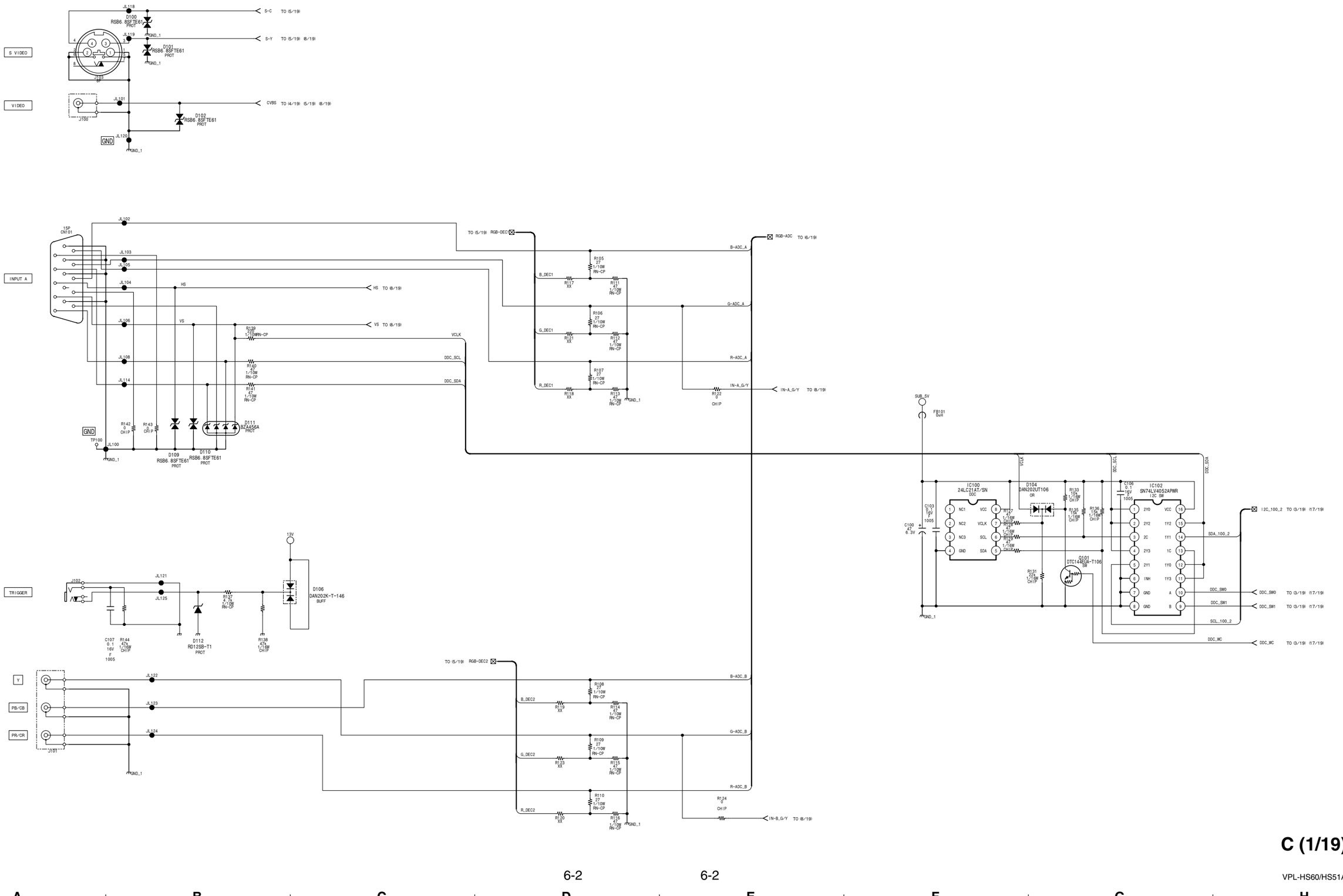
Overall

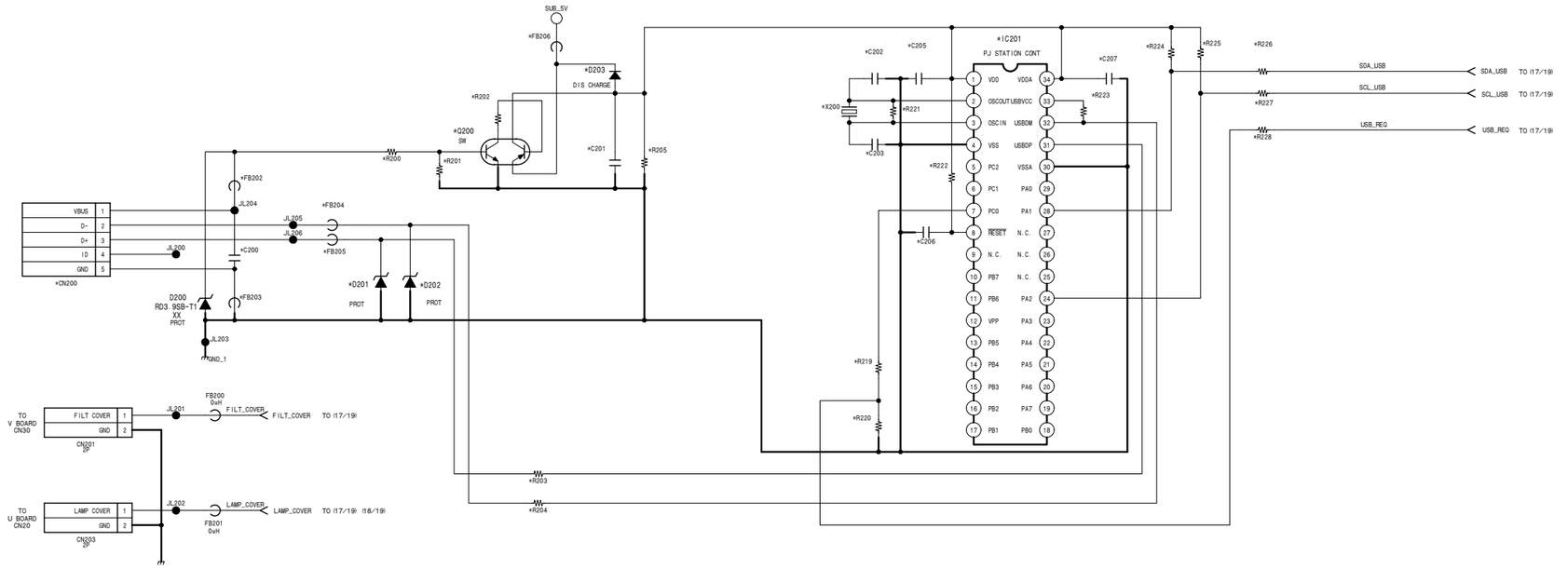
Section 6
Schematic Diagrams

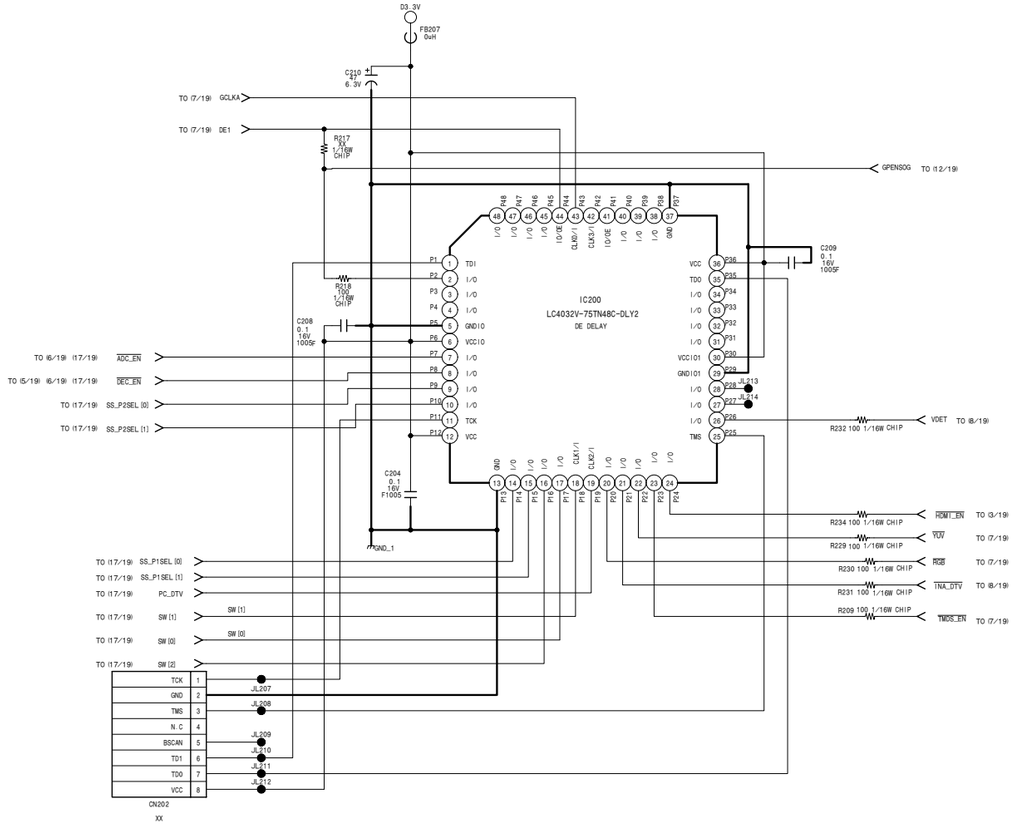
Index

Board Name	Page
C	6-2
F	6-26
GA	6-27
GB	6-30
HA	6-32
HB	6-33
L	6-34
NF	6-34
Q (VPL-HS51A only)	6-35
TA	6-34
U	6-34
V	6-34
Frame Wiring	6-38

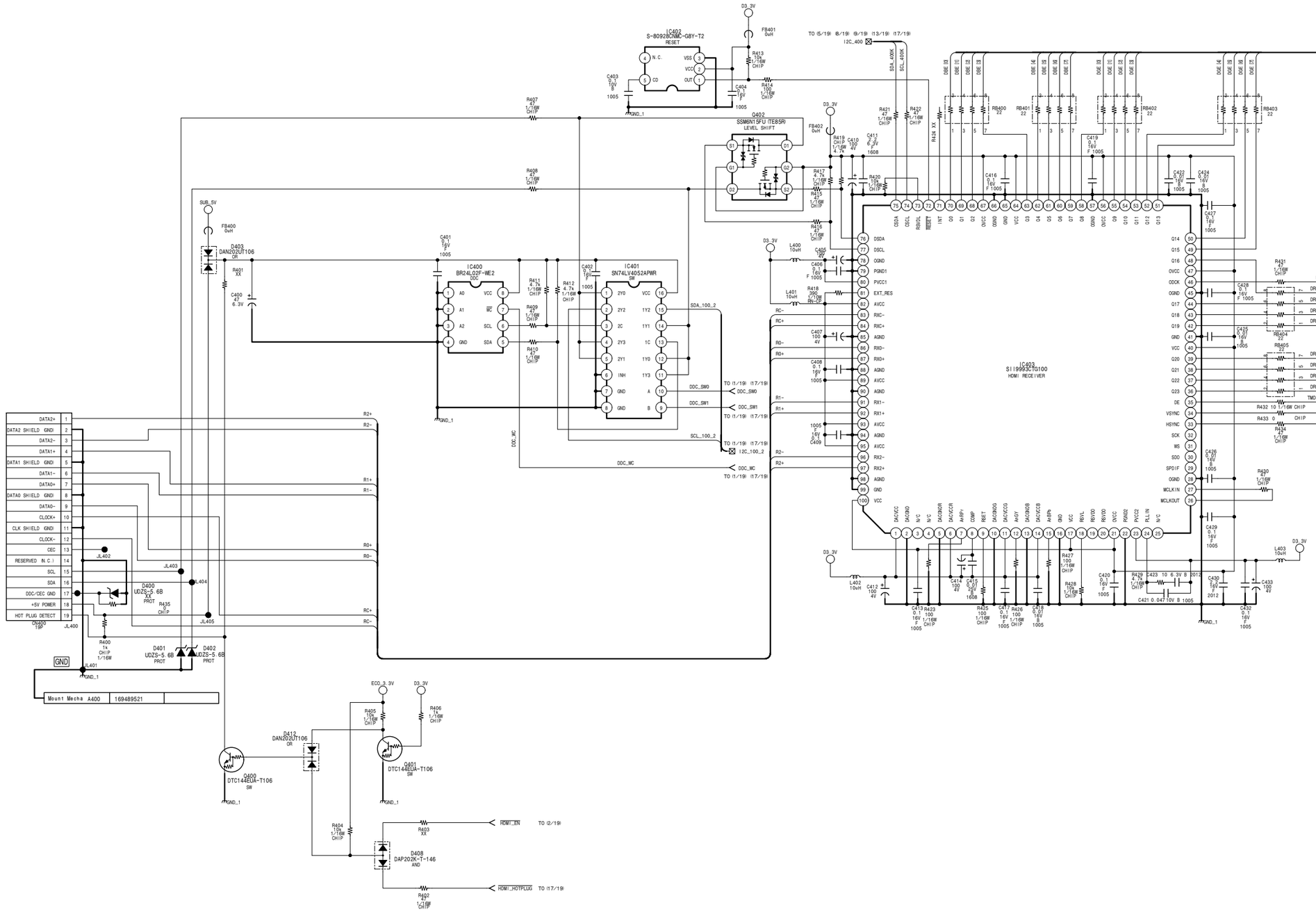
6-1

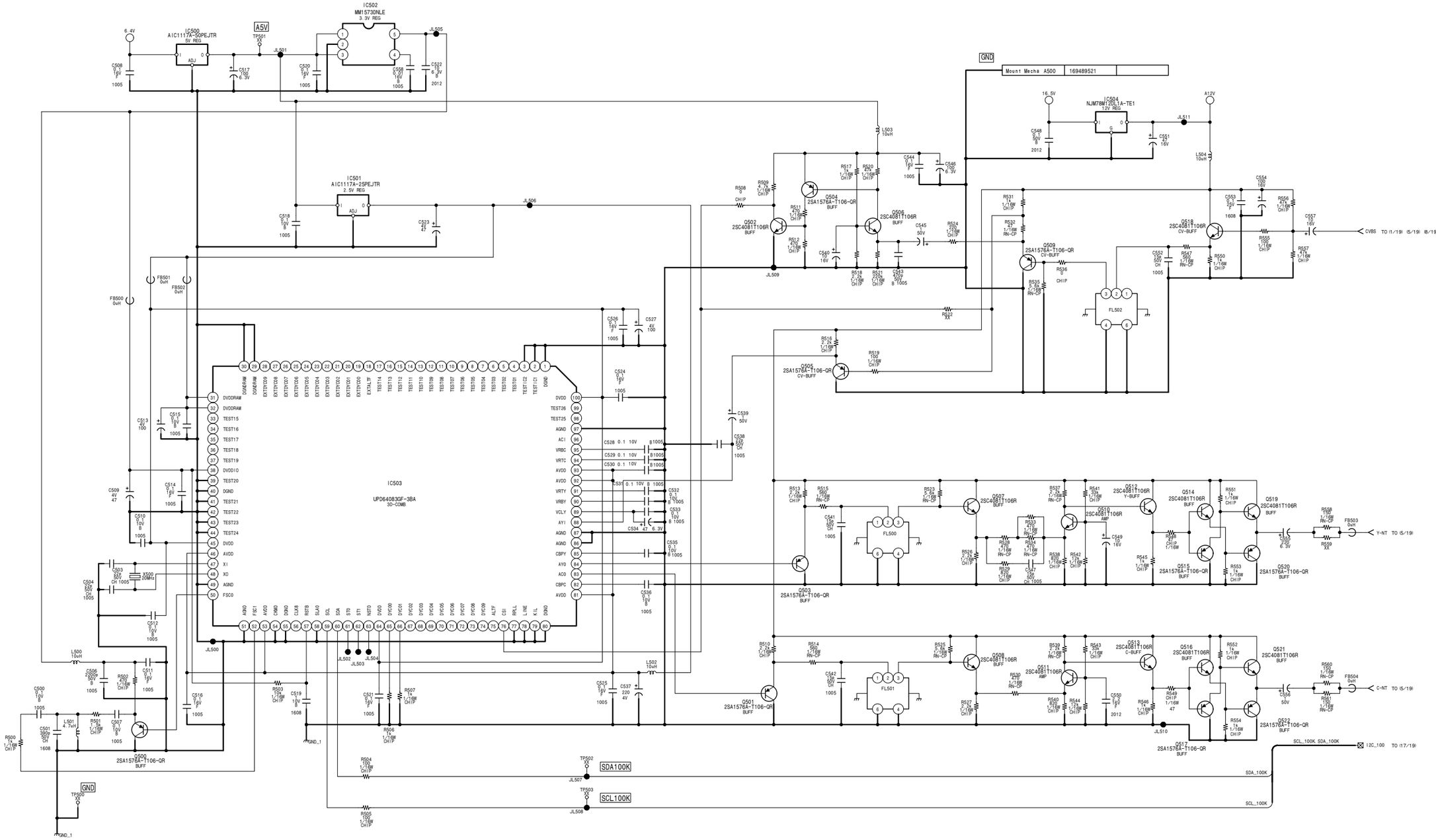

S VIDEO
VIDEO
INPUT A
TRIGGER
Y
PB/CB
PR/CR
15P CN101
JL102
JL103
JL105
JL104
JL106
JL108
JL114
JL100
JL101
JL120
JL121
JL122
JL123
JL124
JL125
GND
TP100
HS
VS
VCLK
DDC_SCL
DDC_SDA
TO I5/19I RGB-DEC
TO I5/19I RGB-DEC2
RGB-ADC TO I6/19I
B-ADC_A
G-ADC_A
R-ADC_A
IN-A_G/Y
IN-A_G/Y TO I8/19I
B_DEC1
G_DEC1
R_DEC1
B-ADC_B
G-ADC_B
R-ADC_B
IN-B_G/Y TO I8/19I
B_DEC2
G_DEC2
R_DEC2
HS TO I8/19I
VS TO I8/19I
S-C TO I5/19I
S-Y TO I5/19I I8/19I
CVBS TO I4/19I I5/19I I8/19I
D100 RSB6.8SFTE61 PROT
D101 RSB6.8SFTE61 PROT
D102 RSB6.8SFTE61 PROT
D109 RSB6.8SFTE61 PROT
D110 RSB6.8SFTE61 PROT
D111 BZA456A PROT
D112 RD12SB-T1 PROT
D106 DAN202K-T-146 BUFF
D104 DAN202UT106 OR
Q101 DTC144EUA-T106 SW
IC100 24LC21AT/SN DDC
IC102 SN74LV4052APWR I2C SW
SUB_5V
FB101 0uH
13V
I2C_100_2 TO I3/19I I7/19I
SDA_100_2
SCL_100_2
DDC_SW0 TO I3/19I I7/19I
DDC_SW1 TO I3/19I I7/19I
DDC_WC TO I3/19I I7/19I



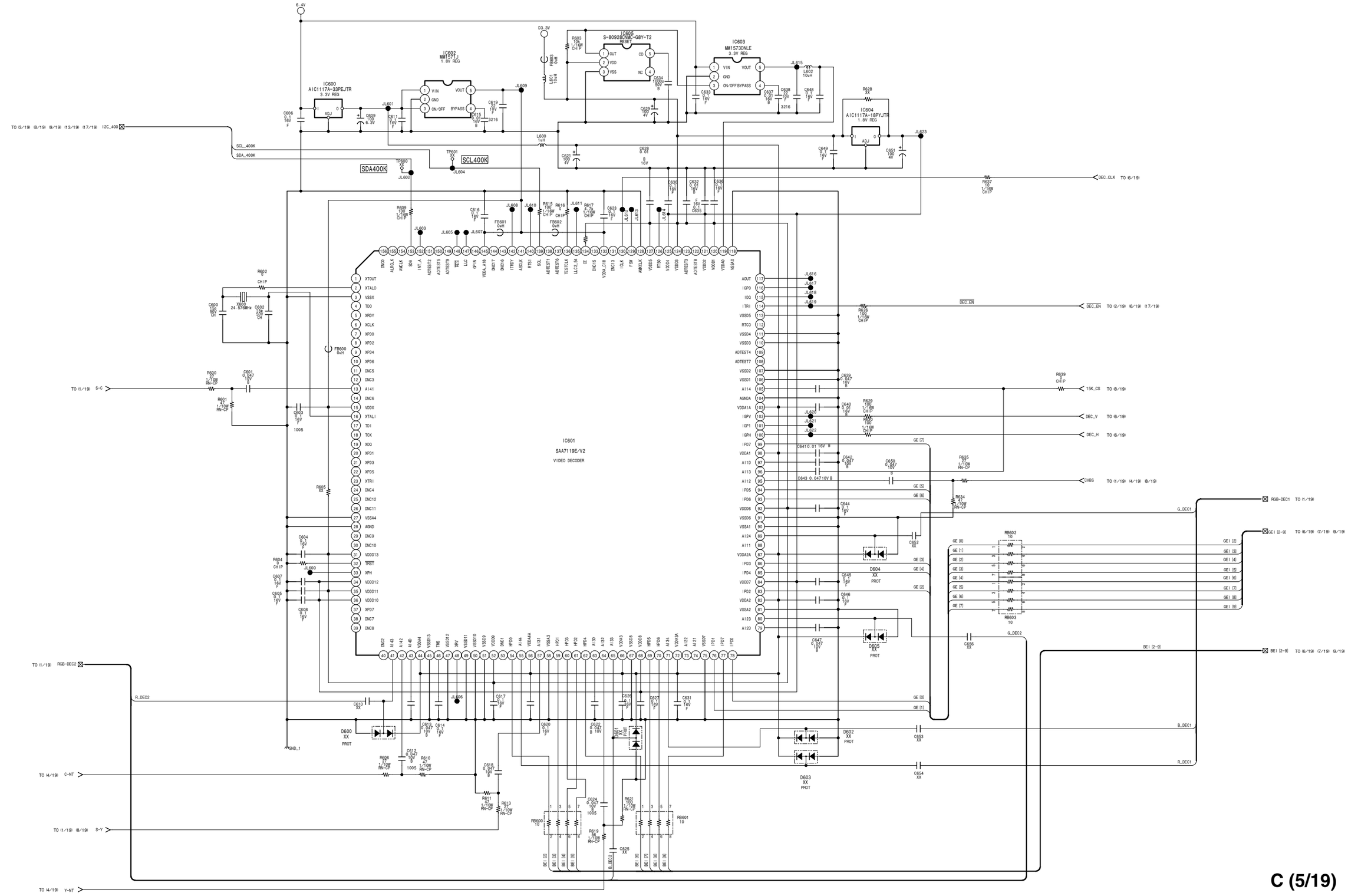


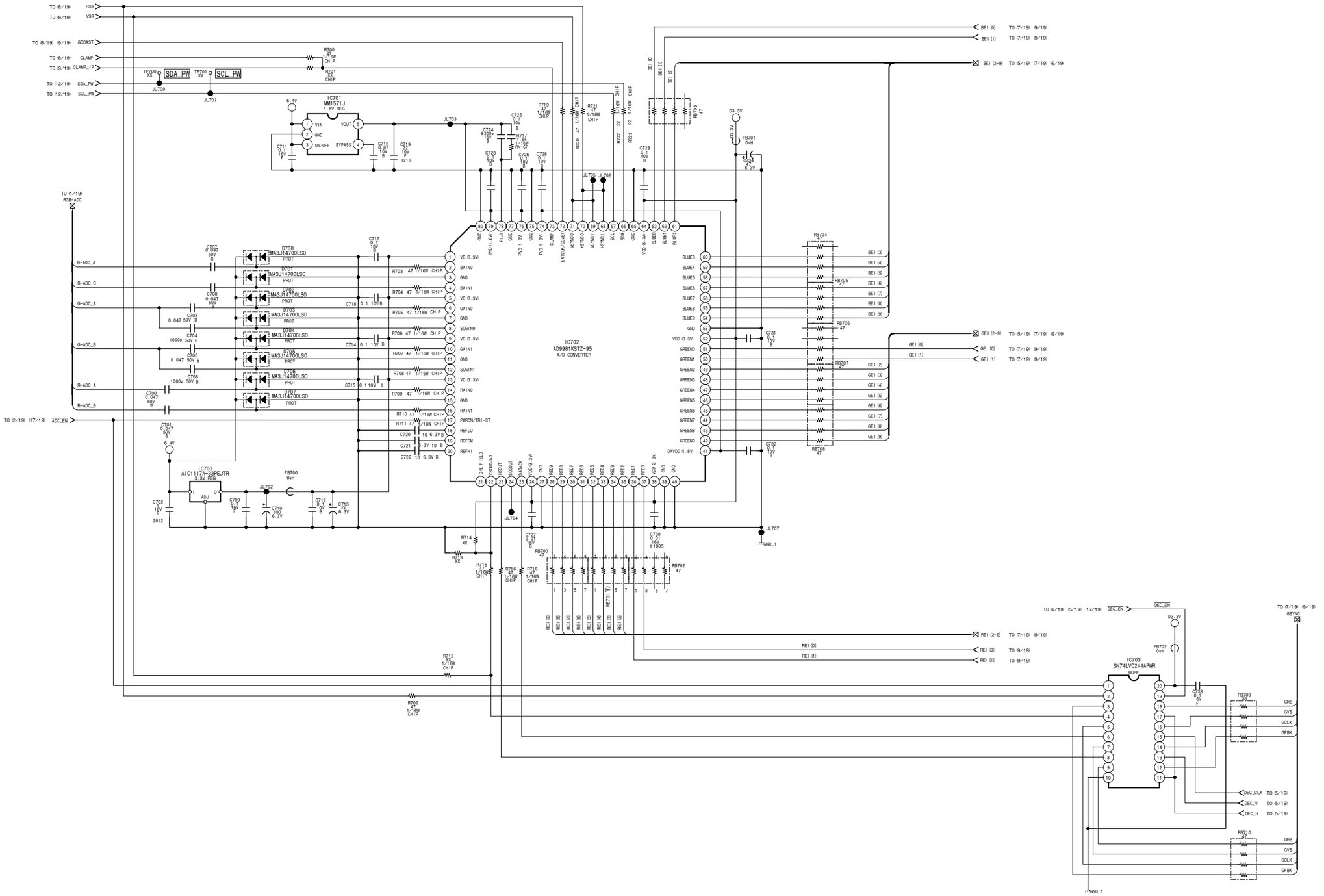
*	VPL-HS60	VPL-HS51A
C200	XX	1 SMD 10V 1608
C201	XX	22 SMD 10V 3216
C202	XX	33p SMD 50V 1005
C203	XX	33p SMD 50V 1005
C205	XX	0.1 SMD 16V 1005
C206	XX	0.01 SMD 16V 1005
C207	XX	0 SMD 16V 1005
CN200	XX	1.6 CP
D201	XX	RD3.9SB-T1
D202	XX	RD3.9SB-T1
D203	XX	1SS355
FB202	XX	0uH
FB203	XX	0uH
FB204	XX	0uH
FB205	XX	0uH
FB206	XX	0uH
IC201	XX	ST72T631K4M1-201
Q200	XX	HN1B01FU-TE85R
R200	XX	10k SMD 1005
R201	XX	10k SMD 1005
R202	XX	1k SMD 1005
R203	XX	0 SMD 1005
R204	XX	0 SMD 1005
R205	XX	2.2k SMD 1005
R219	XX	22k SMD 1005
R220	XX	47k SMD 1005
R221	XX	1M SMD 1005
R222	XX	10k SMD 1005
R223	XX	1.5k SMD 1005
R224	XX	4.7k SMD 1005
R225	XX	4.7k SMD 1005
R226	XX	47 SMD 1005
R227	XX	47 SMD 1005
R228	XX	47 SMD 1005
X200	XX	SMD

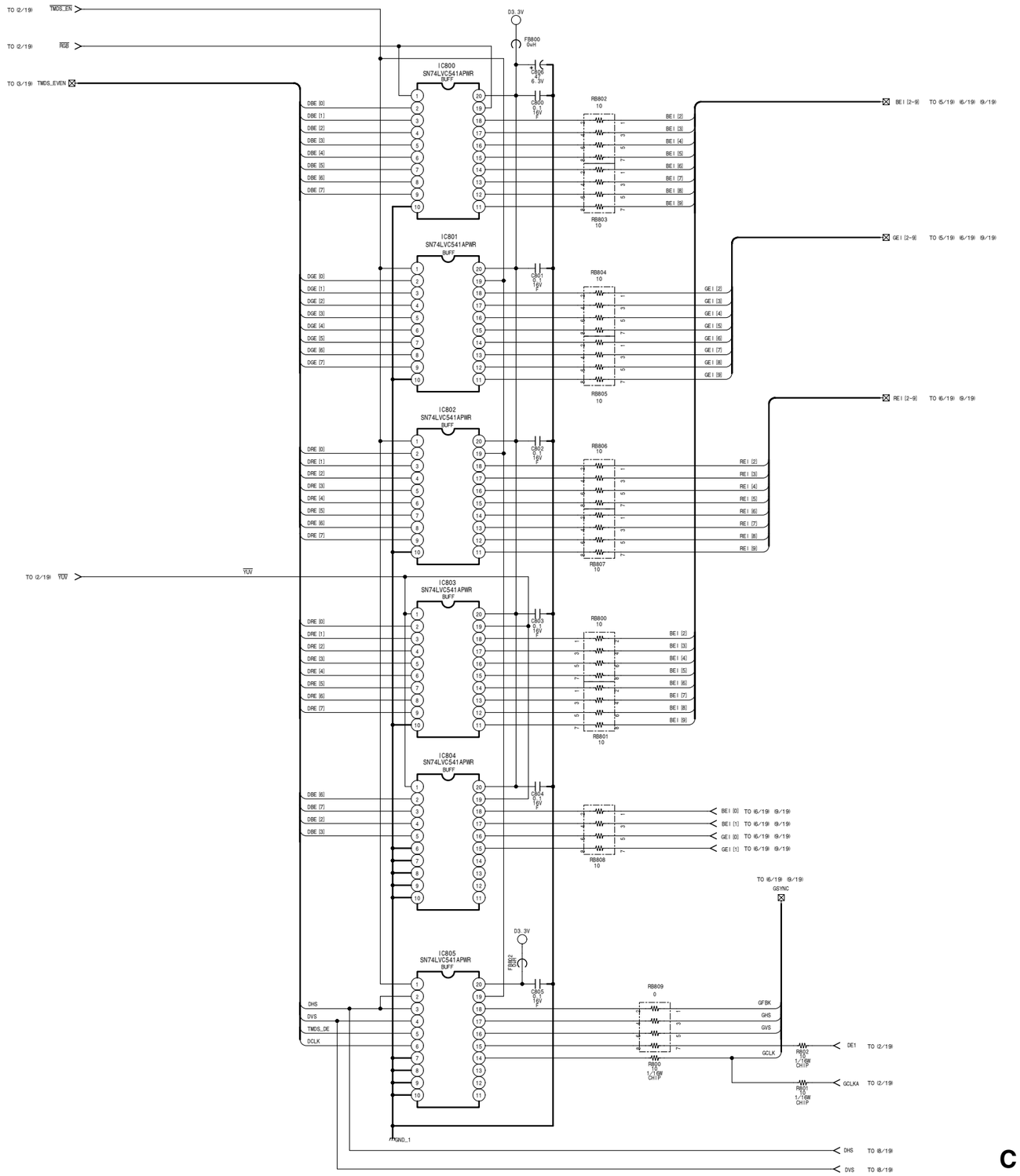

IC402
S-80928CNMC-G8Y-T2
RESET
FB401
0uH
D3_3V
TO (5/19) (8/19) (9/19) (13/19) (17/19)
I2C_400
SDA_400K
SCL_400K
TMDS_EVEN
TO (7/19)
Q402
SSM6N15FU (TE85R)
LEVEL SHIFT
FB402
0uH
SUB_5V
FB400
0uH
D403
DAN202UT106
IC400
BR24L02F-WE2
IC401
SN74LV4052APWR
L400
10uH
L401
10uH
IC403
SII9993CTG100
HDMI RECEIVER
SDA_100_2
SCL_100_2
DDC_SW0
DDC_SW1
DDC_WC
TO (1/19) (17/19)
I2C_100_2
R2+
R2-
R1+
R1-
R0+
R0-
RC+
RC-
DCLK
DRE (0)
DRE (1)
DRE (2)
DRE (3)
DRE (4)
DRE (5)
DRE (6)
DRE (7)
TMDS_DE
DVS
DHS
JL402
JL403
JL404
JL405
JL400
JL401
D400
UDZS-5.6B
PROT
D401
UDZS-5.6B
PROT
D402
UDZS-5.6B
PROT
GND
Mount Mecha A400
169489521
D412
DAN202UT106
Q400
DTC144EUA-T106
SW
Q401
DTC144EUA-T106
SW
HDMI_EN
TO (2/19)
HDMI_HOTPLUG
TO (17/19)
D408
DAP202K-T-146
AND


IC502
MM1573DNLE
3.3V REG
IC500
AIC1117A-50PEJTR
5V REG
IC501
AIC1117A-25PEJTR
2.5V REG
IC503
UPD64083GF-3BA
3D-COMB
IC504
NJM78M12DL1A-TE1
12V REG
A5V
GND
Mount Mecha A500 169489521
Q500 2SA1576A-T106-QR BUFF
Q501 2SA1576A-T106-QR BUFF
Q502 2SC4081T106R BUFF
Q503 2SA1576A-T106-QR BUFF
Q504 2SA1576A-T106-QR BUFF
Q505 2SA1576A-T106-QR CV-BUFF
Q506 2SC4081T106R BUFF
Q507 2SC4081T106R BUFF
Q508 2SC4081T106R BUFF
Q509 2SA1576A-T106-QR CV-BUFF
Q510 2SC4081T106R AMP
Q511 2SC4081T106R AMP
Q512 2SC4081T106R Y-BUFF
Q513 2SC4081T106R C-BUFF
Q514 2SC4081T106R BUFF
Q515 2SA1576A-T106-QR BUFF
Q516 2SC4081T106R BUFF
Q517 2SA1576A-T106-QR BUFF
Q518 2SC4081T106R CV-BUFF
Q519 2SC4081T106R BUFF
Q520 2SA1576A-T106-QR BUFF
Q521 2SC4081T106R BUFF
Q522 2SA1576A-T106-QR BUFF
FL500
FL501
FL502
CVBS TO (1/19) (5/19) (8/19)
Y-NT TO (5/19)
C-NT TO (5/19)
I2C_100 TO (17/19)
SDA100K
SCL100K
SDA_100K
SCL_100K

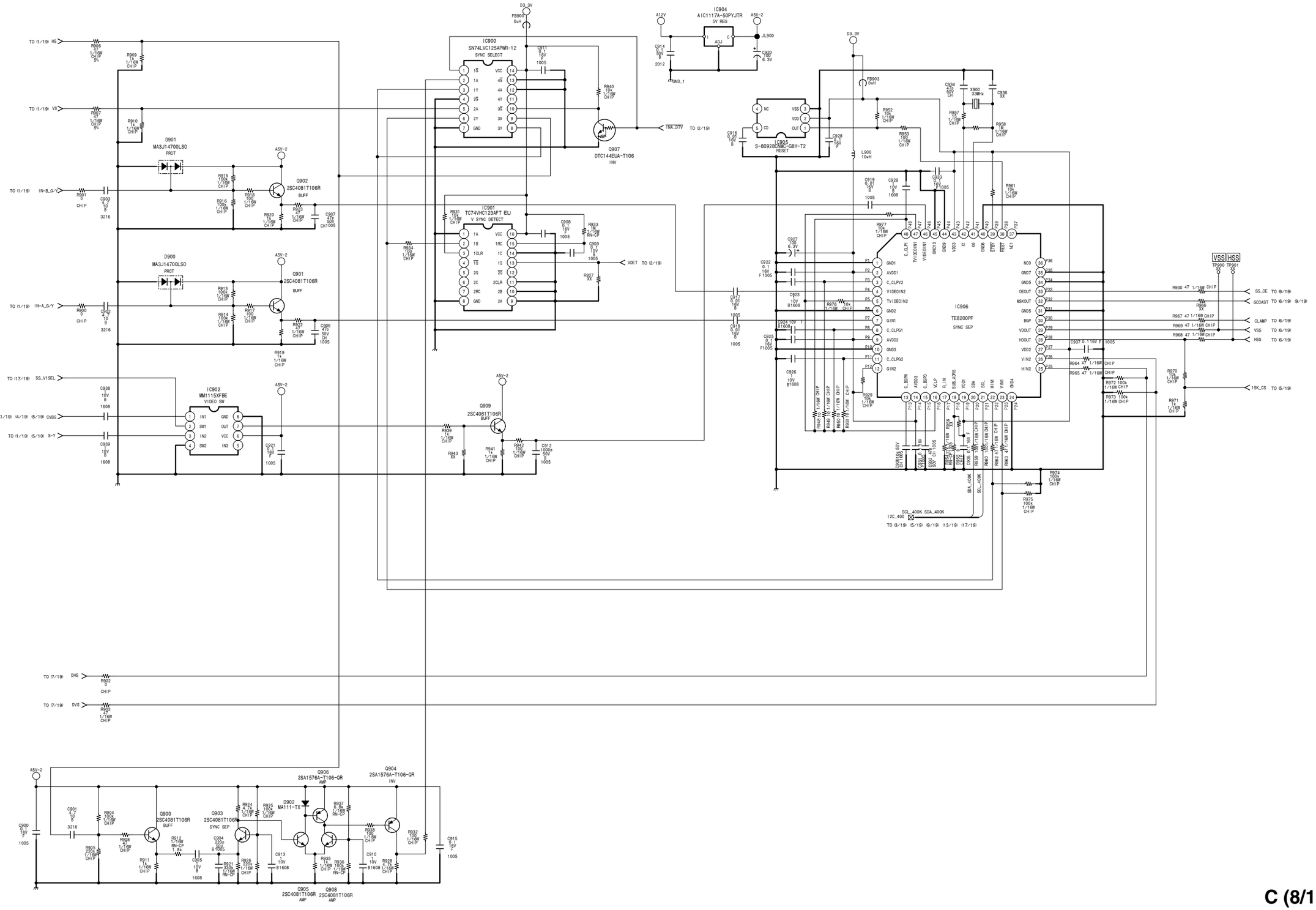
C (4/19)

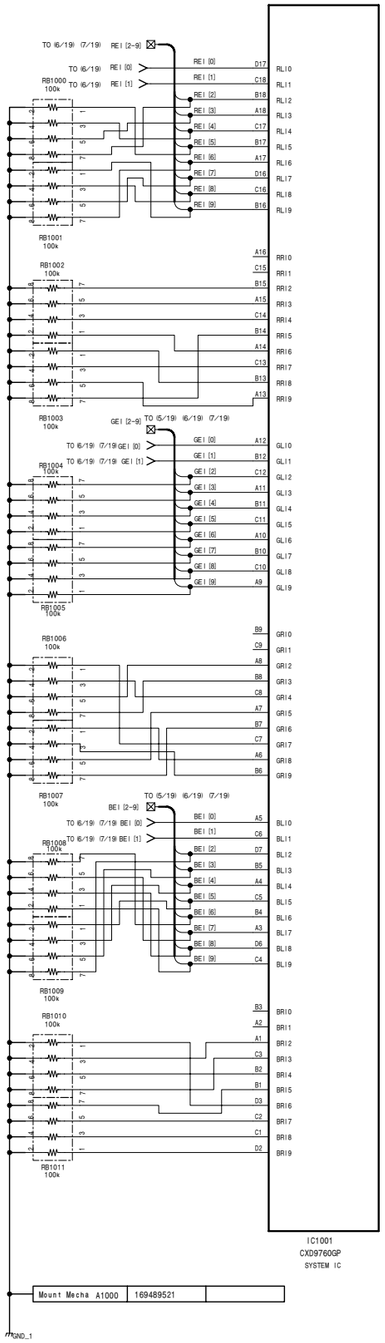

IC601
SAA7119E/V2
VIDEO DECODER
IC600
AIC1117A-33PEJTR
3.3V REG
IC602
MM1571J
1.8V REG
IC603
MM1573DNLE
3.3V REG
IC604
AIC1117A-18PYJTR
1.8V REG
IC605
S-80928CNMC-G8Y-T2
RESET
SDA400K
SCL400K
SCL_400K
SDA_400K
I2C_400
DEC_CLK
DEC_EN
15K_CS
DEC_V
DEC_H
CVBS
S-C
C-NT
S-Y
Y-NT
R_DEC2
G_DEC2
B_DEC2
RGB-DEC2
R_DEC1
G_DEC1
B_DEC1
RGB-DEC1
GE [7]
GE [6]
GE [5]
GE [4]
GE [3]
GE [2]
GE [1]
GE [0]
BE [9]
BE [8]
BE [7]
BE [6]
BE [5]
BE [4]
BE [3]
BE [2]
X601
24.576MHz
D600
D601
D602
D603
D604
D605
RB600
RB601
RB602
RB603

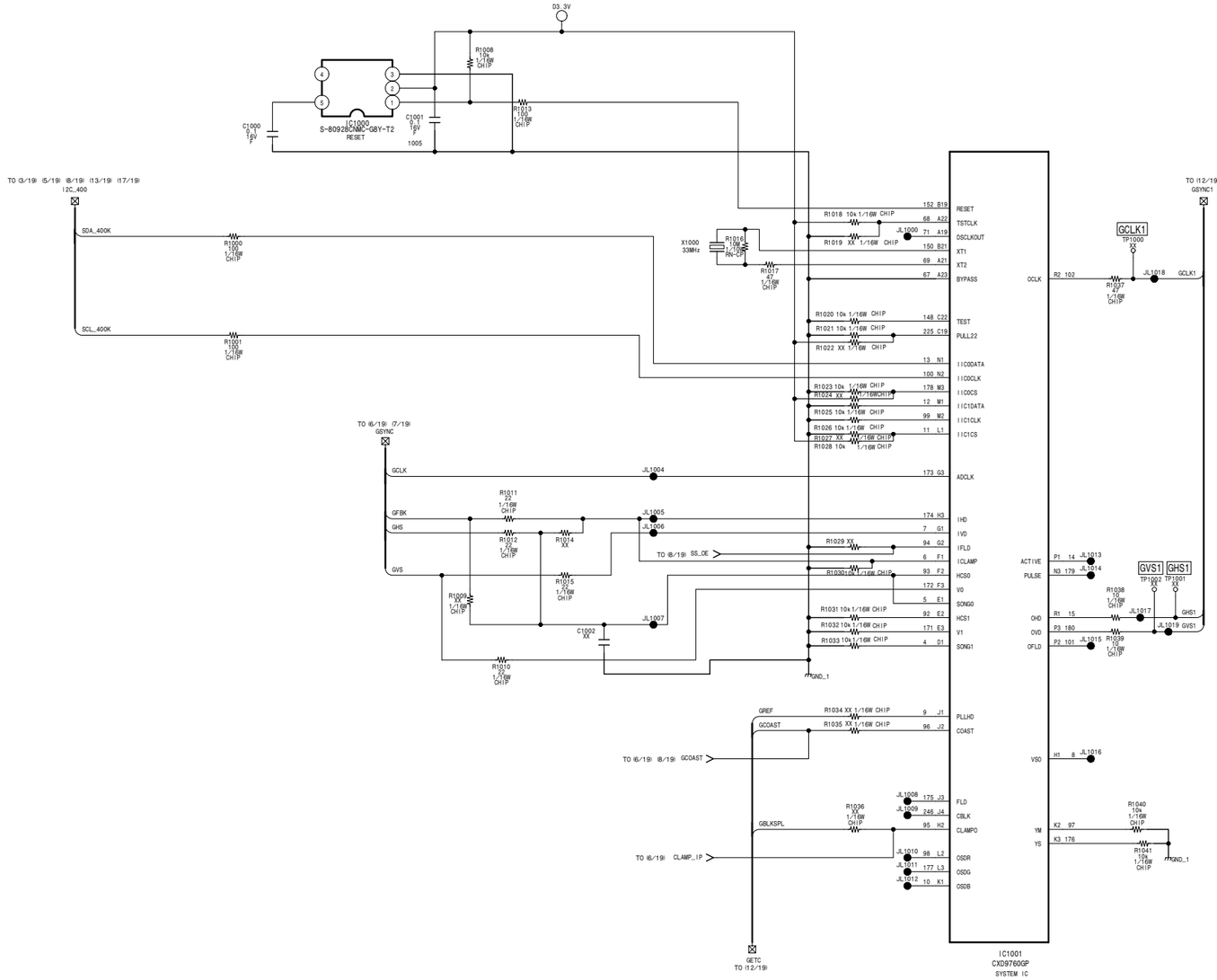

IC701
MM1571J
1.8V REG
IC700
AIC1117A-33PEJTR
3.3V REG
IC702
AD9981KSTZ-95
A/D CONVERTER
IC703
SN74LVC244APWR
BUFF
D700
D701
D702
D703
D704
D705
D706
D707
MA3J14700LSO
PROT
SDA_PW
SCL_PW
ADC_EN
DEC_EN
RGB-ADC
GSYNC
GHS
GVS
GCLK
GFBK
DEC_CLK
DEC_V
DEC_H
GND_1

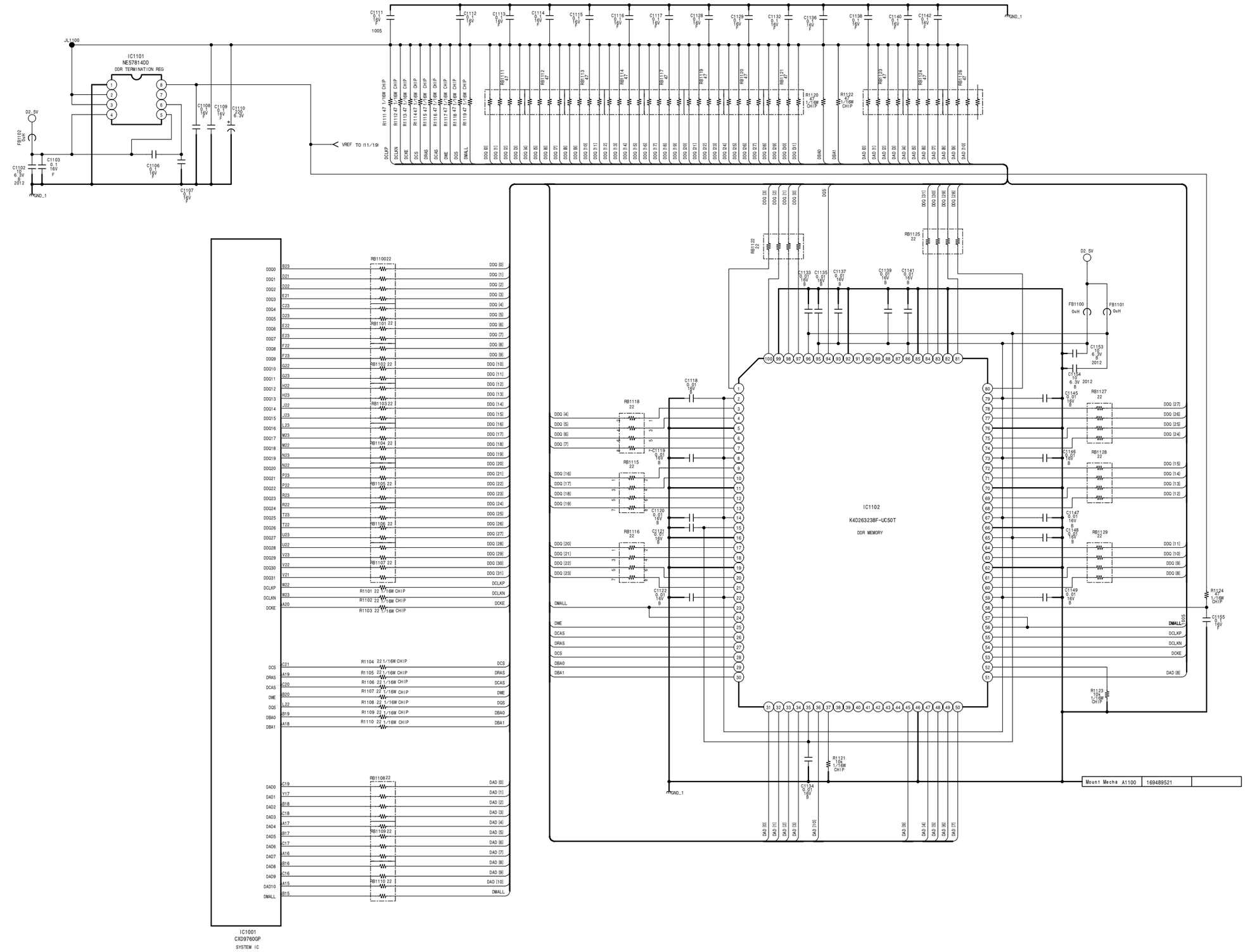

TO (2/19) TMDS_EN
TO (2/19) RGB
TO (3/19) TMDS_EVEN
TO (2/19) YUV
D3_3V
FB800 0uH
C806 4.7 6.3V
C800 0.1 16V
C801 0.1 16V
C802 0.1 16V
C803 0.1 16V
C804 0.1 16V
C805 0.1 16V
IC800 SN74LVC541APWR BUFF
IC801 SN74LVC541APWR BUFF
IC802 SN74LVC541APWR BUFF
IC803 SN74LVC541APWR BUFF
IC804 SN74LVC541APWR BUFF
IC805 SN74LVC541APWR BUFF
DBE [0]
DBE [1]
DBE [2]
DBE [3]
DBE [4]
DBE [5]
DBE [6]
DBE [7]
DGE [0]
DGE [1]
DGE [2]
DGE [3]
DGE [4]
DGE [5]
DGE [6]
DGE [7]
DRE [0]
DRE [1]
DRE [2]
DRE [3]
DRE [4]
DRE [5]
DRE [6]
DRE [7]
DHS
DVS
TMDS_DE
DCLK
AGND_1
RB802 10
RB803 10
RB804 10
RB805 10
RB806 10
RB807 10
RB800 10
RB801 10
RB808 10
RB809 0
RB810 10 1/16W CHIP
RB802 10 1/16W CHIP
RB801 10 1/16W CHIP
BE I [2]
BE I [3]
BE I [4]
BE I [5]
BE I [6]
BE I [7]
BE I [8]
BE I [9]
GE I [2]
GE I [3]
GE I [4]
GE I [5]
GE I [6]
GE I [7]
GE I [8]
GE I [9]
RE I [2]
RE I [3]
RE I [4]
RE I [5]
RE I [6]
RE I [7]
RE I [8]
RE I [9]
BE I [0]
BE I [1]
GE I [0]
GE I [1]
TO (5/19) (6/19) (9/19)
TO (6/19) (9/19)
GSYNC
GFBK
GHS
GVS
GCLK
DE1
GCLKA
TO (8/19)

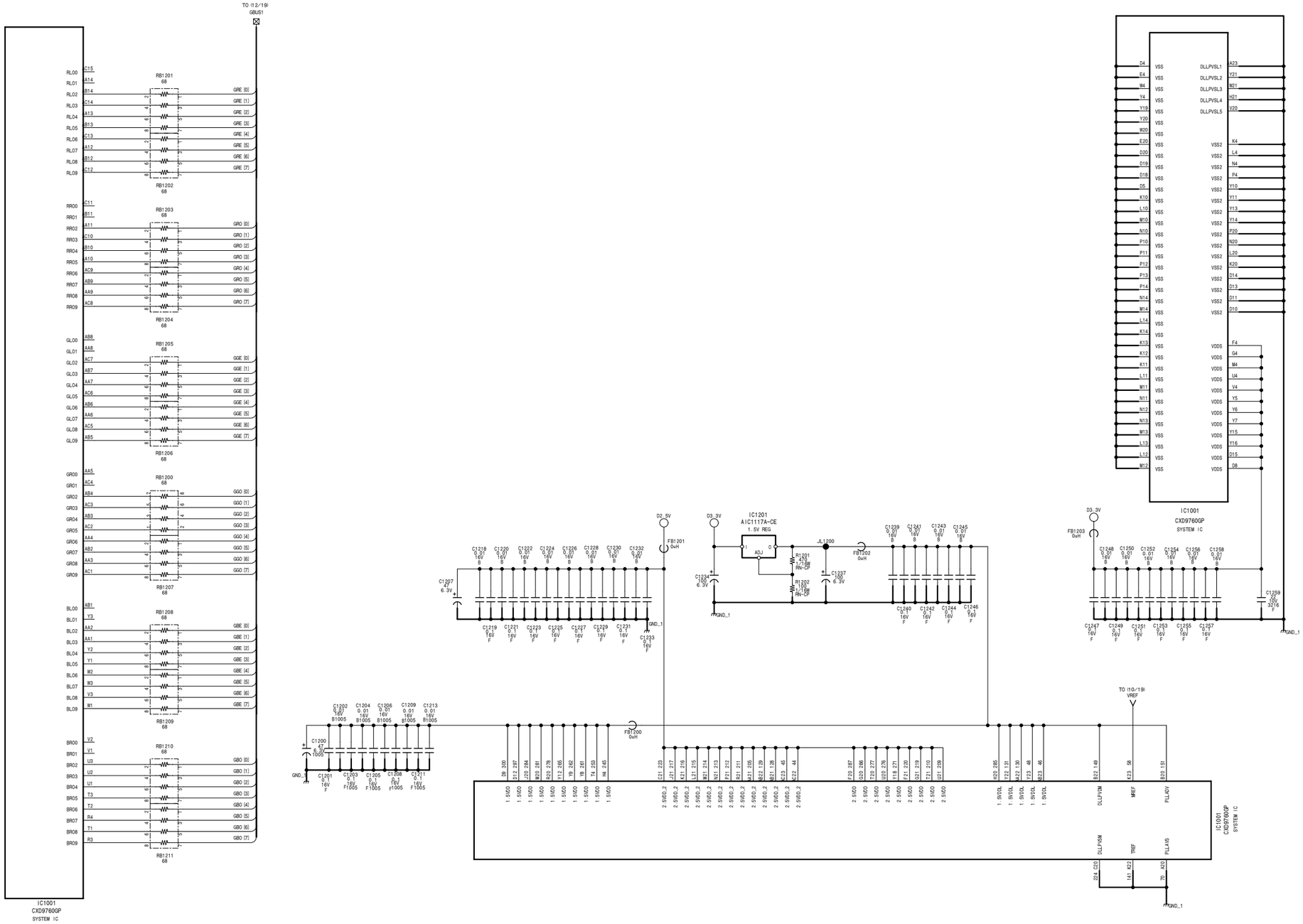
C (7/19)

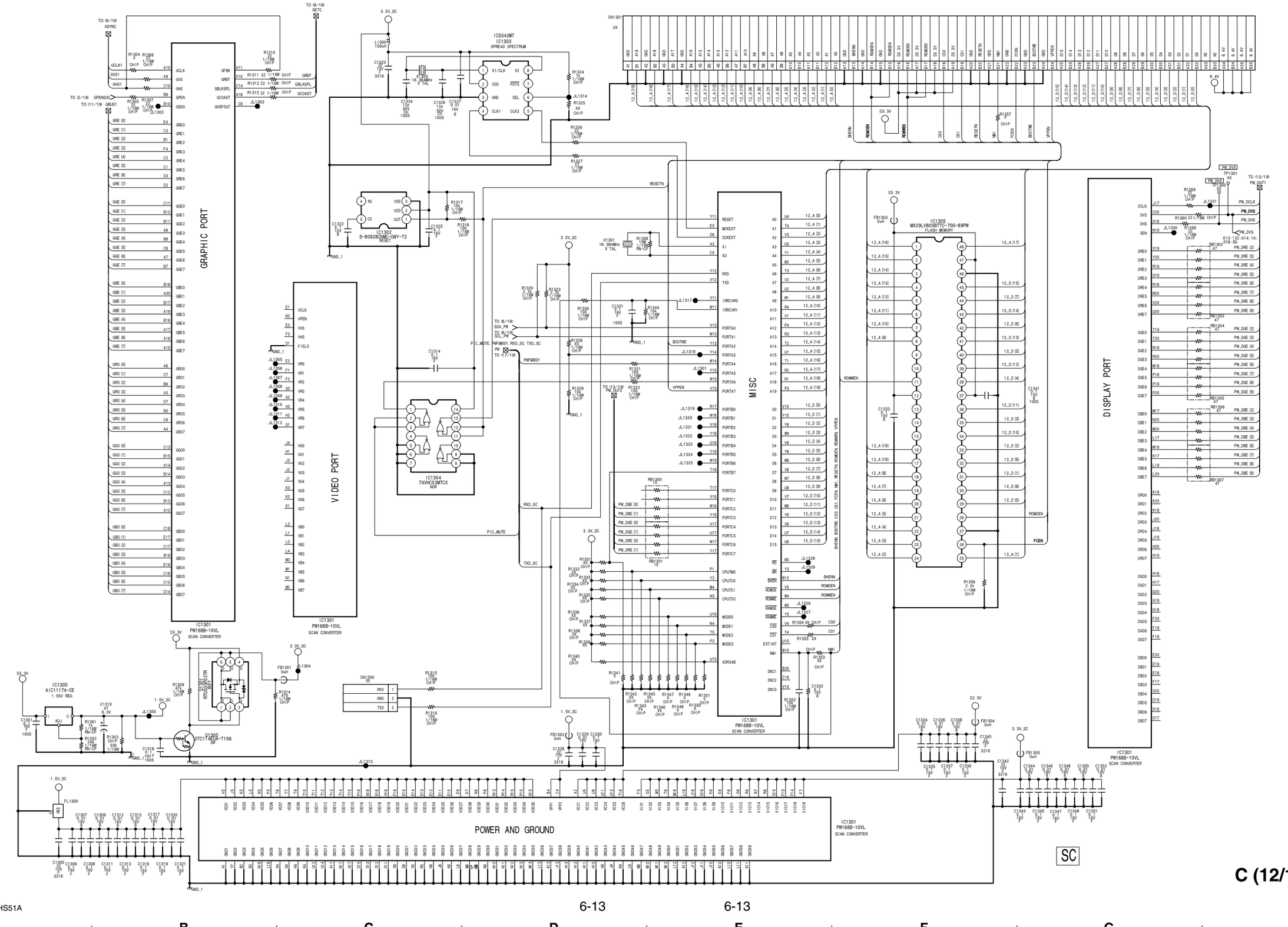

IC900
SN74LVC125APWR-12
SYNC SELECT
IC901
TC74VHC123AFT (EL)
V SYNC DETECT
IC902
MM1115XFBE
VIDEO SW
IC904
AIC1117A-50PYJTR
5V REG
IC905
S-80928CNMC-G8Y-T2
RESET
IC906
TE8200PF
SYNC SEP
D900
MA3J14700LSO
PROT
D901
MA3J14700LSO
PROT
D902
MA111-TX
Q900
2SC4081T106R
BUFF
Q901
2SC4081T106R
BUFF
Q902
2SC4081T106R
BUFF
Q903
2SC4081T106R
SYNC SEP
Q904
2SA1576A-T106-QR
INV
Q905
2SC4081T106R
AMP
Q906
2SA1576A-T106-QR
AMP
Q907
DTC144EUA-T106
INV
Q908
2SC4081T106R
AMP
Q909
2SC4081T106R
BUFF
D3_3V
A5V-2
A12V
ASH-2
GND_1
TNA_DTV
VDET
SS_VISEL
CVBS
S-Y
IN-B_G/Y
IN-A_G/Y
DHS
DVS
SDA_400K
SCL_400K
I2C_400
VSS
HSS
SS_OE
GCOAST
CLAMP
15K_CS

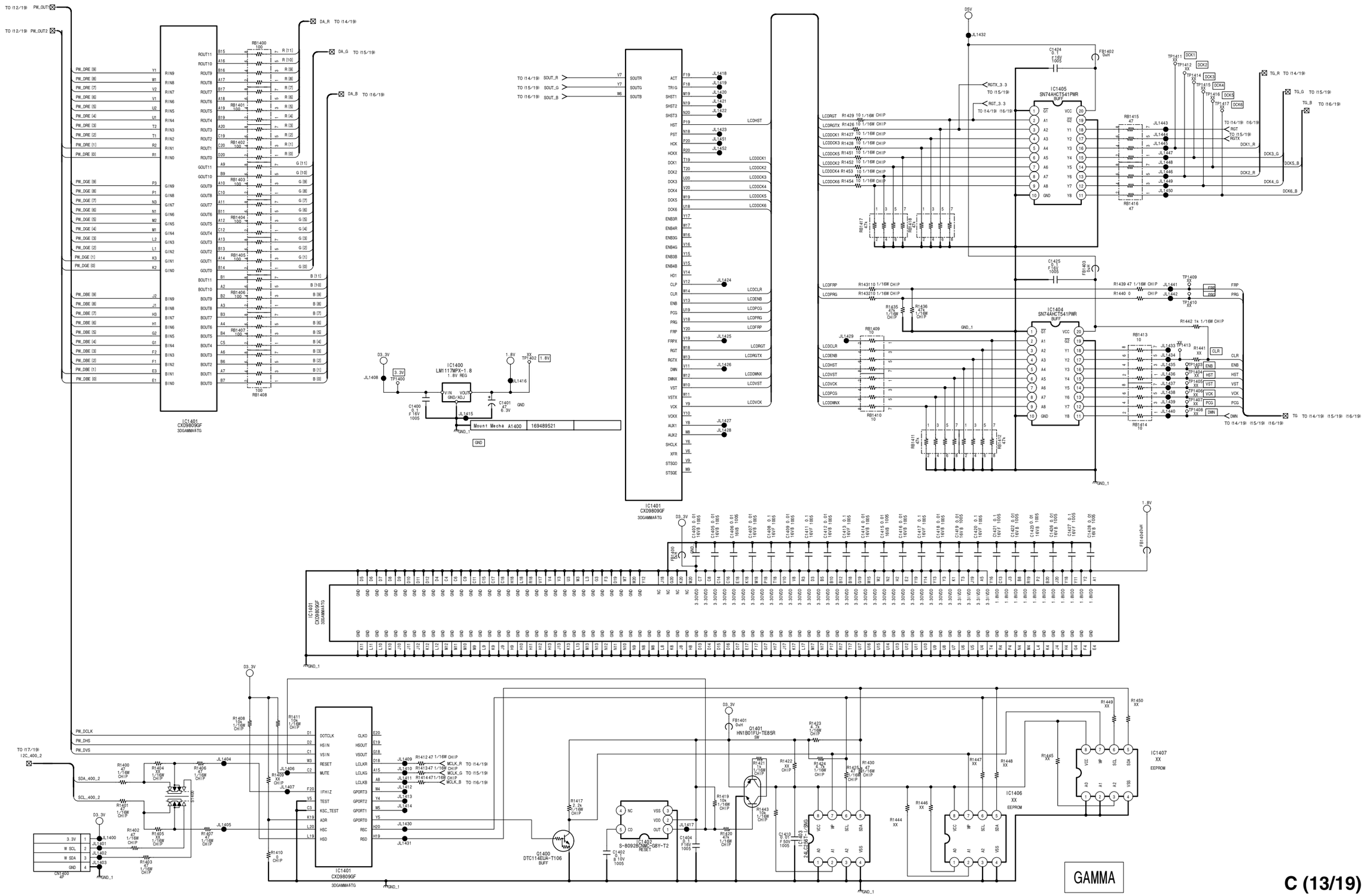

TO I6/19I (7/19) REI [2-9]
TO I6/19I REI [0]
TO I6/19I REI [1]
RB1000 100k
RB1001 100k
RB1002 100k
RB1003 100k
RB1004 100k
RB1005 100k
RB1006 100k
RB1007 100k
RB1008 100k
RB1009 100k
RB1010 100k
RB1011 100k
REI [0] D17 RLI0
REI [1] C18 RLI1
REI [2] B18 RLI2
REI [3] A18 RLI3
REI [4] C17 RLI4
REI [5] B17 RLI5
REI [6] A17 RLI6
REI [7] D16 RLI7
REI [8] C16 RLI8
REI [9] B16 RLI9
A16 RRI0
C15 RRI1
B15 RRI2
A15 RRI3
C14 RRI4
B14 RRI5
A14 RRI6
C13 RRI7
B13 RRI8
A13 RRI9
GEI [2-9] TO I5/19I I6/19I (7/19I
TO I6/19I (7/19I GEI [0]
TO I6/19I (7/19I GEI [1]
GEI [0] A12 GLI0
GEI [1] B12 GLI1
GEI [2] C12 GLI2
GEI [3] A11 GLI3
GEI [4] B11 GLI4
GEI [5] C11 GLI5
GEI [6] A10 GLI6
GEI [7] B10 GLI7
GEI [8] C10 GLI8
GEI [9] A9 GLI9
B9 GRI0
C9 GRI1
A8 GRI2
B8 GRI3
C8 GRI4
A7 GRI5
B7 GRI6
C7 GRI7
A6 GRI8
B6 GRI9
BEI [2-9] TO I5/19I I6/19I (7/19I
TO I6/19I (7/19I BEI [0]
TO I6/19I (7/19I BEI [1]
BEI [0] A5 BLI0
BEI [1] C6 BLI1
BEI [2] D7 BLI2
BEI [3] B5 BLI3
BEI [4] A4 BLI4
BEI [5] C5 BLI5
BEI [6] B4 BLI6
BEI [7] A3 BLI7
BEI [8] D6 BLI8
BEI [9] C4 BLI9
B3 BRI0
A2 BRI1
A1 BRI2
C3 BRI3
B2 BRI4
B1 BRI5
D3 BRI6
C2 BRI7
C1 BRI8
D2 BRI9
IC1001
CXD9760GP
SYSTEM IC
Mount Mecha A1000 169489521
GND_1

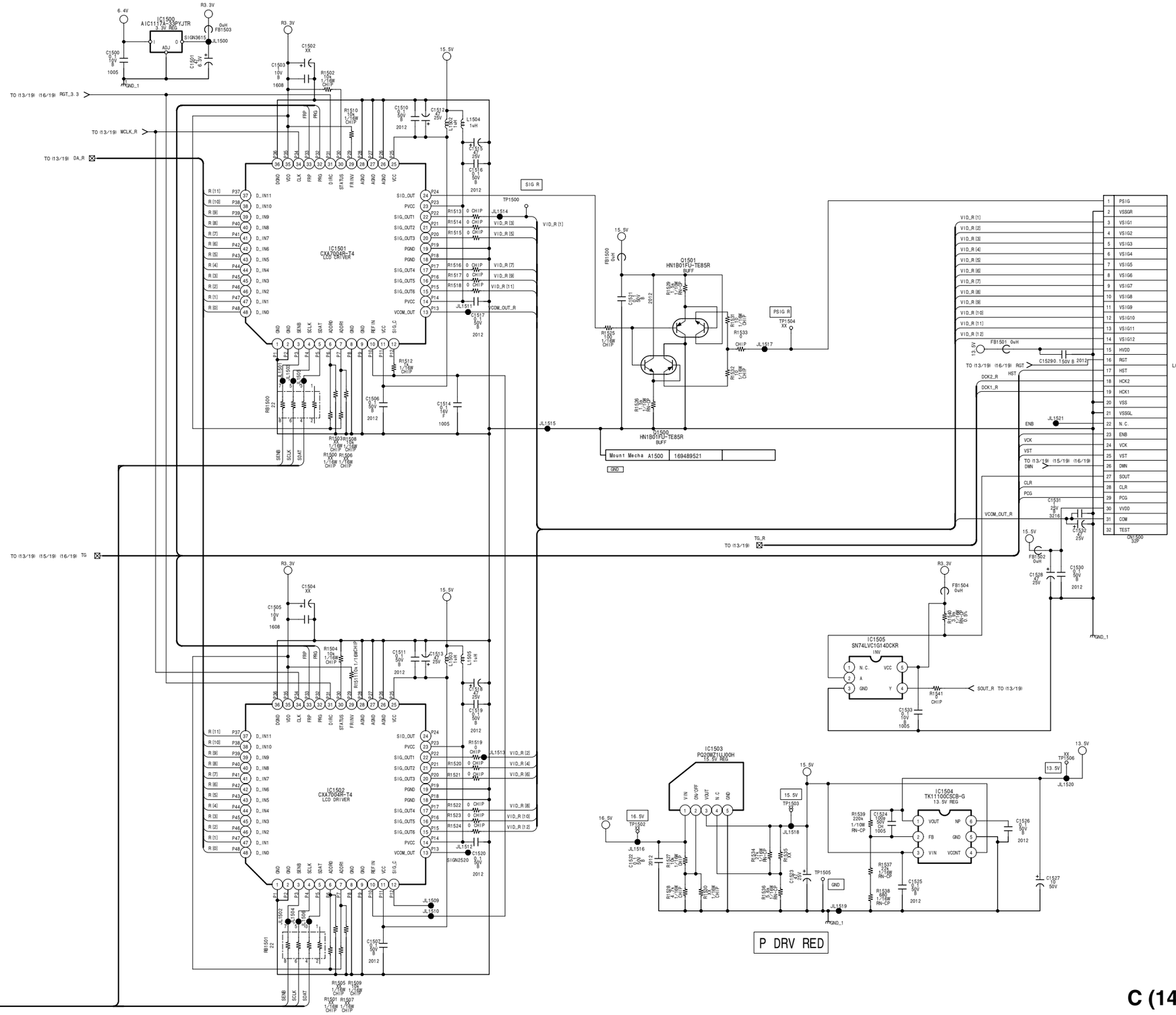

D3.3V
R1008 10k 1/16W CHIP
C1000 0.1 16V F
IC1000 S-80928CNMC-G8Y-T2 RESET
C1001 0.1 16V F
1005
R1013 100 1/16W CHIP
TO I3/19I I5/19I I8/19I I13/19I I17/19I I2C_400
SDA_400K
SCL_400K
R1000 10k 1/16W CHIP
R1001 100 1/16W CHIP
X1000 33MHz
R1016 10M 1/16W CHIP
R1017 47 1/16W CHIP
R1018 10k 1/16W CHIP
R1019 XX 1/16W CHIP
JL1000
R1020 10k 1/16W CHIP
R1021 10k 1/16W CHIP
R1022 XX 1/16W CHIP
R1023 10k 1/16W CHIP
R1024 XX 1/16WCHIP
R1025 10k 1/16W CHIP
R1026 10k 1/16W CHIP
R1027 XX 1/16W CHIP
R1028 10k 1/16W CHIP
152 B19 RESET
68 A22 TSTCLK
71 A19 DSCLKOUT
150 B21 XT1
69 A21 XT2
67 A23 BYPASS
148 C22 TEST
225 C19 PULL22
13 N1 I IC0DATA
100 N2 I IC0CLK
178 M3 I IC0CS
12 M1 I IC1DATA
99 M2 I IC1CLK
11 L1 I IC1CS
TO I6/19I (7/19I GSYNC
GCLK
GFBK
GHS
GVS
JL1004
JL1005
JL1006
JL1007
R1011 22 1/16W CHIP
R1012 22 1/16W CHIP
R1014 XX
R1015 22 1/16W CHIP
R1009 XX 1/16W CHIP
C1002 XX
R1010 22 1/16W CHIP
173 G3 ADCLK
174 H3 IHD
7 G1 IVD
94 G2 IFLD
6 F1 ICLAMP
93 F2 HCS0
172 F3 VD
5 E1 SCNG0
92 E2 HCS1
171 E3 V1
4 D1 SCNG1
TO I8/19I SS_OE
R1029 XX
R1030 XX 1/16W CHIP
R1031 10k 1/16W CHIP
R1032 10k 1/16W CHIP
R1033 10k 1/16W CHIP
GND_1
GREF
GCOAST
R1034 XX 1/16W CHIP
R1035 XX 1/16W CHIP
9 J1 PLLHD
96 J2 COAST
TO I6/19I I8/19I GCOAST
JL1008 175 J3 FLD
JL1009 246 J4 CBLK
95 H2 CLAMPO
GBLKSPL
R1036 XX 1/16W CHIP
TO I6/19I CLAMP_IP
JL1010 98 L2 OSDR
JL1011 177 L3 OSDG
JL1012 10 K1 OSDB
GETC
TO I12/19I
IC1001
CXD9760GP
SYSTEM IC
TO I12/19I GSYNC1
GCLK1 TP1000 XX
OCLK R2 102 R1037 47 1/16W CHIP JL1018 GCLK1
ACTIVE P1 14 JL1013
PULSE N3 179 JL1014
GVS1 TP1002 XX
GHS1 TP1001 XX
R1038 10k 1/16W CHIP
OHD R1 15 JL1017 GHS1
OVD P3 180 JL1019 GVS1
OFLD P2 101 JL1015 R1039 10k 1/16W CHIP
VSO H1 8 JL1016
YM K2 97
YS K3 176
R1040 10k 1/16W CHIP
R1041 10k 1/16W CHIP
GND_1


JL1100
IC1101
NE57814DD
DDR TERMINATION REG
D2_5V
FB1102
0uH
C1102 10 6.3V B 2012
C1103 0.1 16V F
C1106 0.1 16V F
C1107 0.1 16V F
C1108 0.1 16V F
C1109 0.1 16V F
C1110 470 6.3V
GND_1
VREF TO I11/19
C1111 0.1 16V F 1005
C1112 0.1 16V F
C1113 0.1 16V F
C1114 0.1 16V F
C1115 0.1 16V F
C1116 0.1 16V F
C1117 0.1 16V F
C1128 0.1 16V F
C1129 0.1 16V F
C1132 0.1 16V F
C1136 0.1 16V F
C1138 0.1 16V F
C1140 0.1 16V F
C1142 0.1 16V F
R1111 47 1/16W CHIP
R1112 47 1/16W CHIP
R1113 47 1/16W CHIP
R1114 47 1/16W CHIP
R1115 47 1/16W CHIP
R1116 47 1/16W CHIP
R1117 47 1/16W CHIP
R1118 47 1/16W CHIP
R1119 47 1/16W CHIP
RB1111 47
RB1112 47
RB1113 47
RB1114 47
RB1117 47
RB1119 47
RB1120 47
RB1121 47
R1120 47 1/16W CHIP
R1122 47 1/16W CHIP
RB1123 47
RB1124 47
RB1126 47
DCLKP
DCLKN
DCKE
DCS
DRAS
DCAS
DWE
DQS
DMALL
DDQ [0]
DDQ [1]
DDQ [2]
DDQ [3]
DDQ [4]
DDQ [5]
DDQ [6]
DDQ [7]
DDQ [8]
DDQ [9]
DDQ [10]
DDQ [11]
DDQ [12]
DDQ [13]
DDQ [14]
DDQ [15]
DDQ [16]
DDQ [17]
DDQ [18]
DDQ [19]
DDQ [20]
DDQ [21]
DDQ [22]
DDQ [23]
DDQ [24]
DDQ [25]
DDQ [26]
DDQ [27]
DDQ [28]
DDQ [29]
DDQ [30]
DDQ [31]
DBA0
DBA1
DAD [0]
DAD [1]
DAD [2]
DAD [3]
DAD [4]
DAD [5]
DAD [6]
DAD [7]
DAD [8]
DAD [9]
DAD [10]
IC1001
CXD9760GP
SYSTEM IC
RB110022
RB1101 22
RB1102 22
RB1103 22
RB1104 22
RB1105 22
RB1106 22
RB1107 22
R1101 22 1/16W CHIP
R1102 22 1/16W CHIP
R1103 22 1/16W CHIP
R1104 22 1/16W CHIP
R1105 22 1/16W CHIP
R1106 22 1/16W CHIP
R1107 22 1/16W CHIP
R1108 22 1/16W CHIP
R1109 22 1/16W CHIP
R1110 22 1/16W CHIP
RB1108 22
RB1109 22
RB1110 22
RB1122 22
RB1125 22
C1133 0.01 16V B
C1135 0.01 16V B
C1137 0.01 16V B
C1139 0.01 16V B
C1141 0.01 16V B
FB1100 0uH
FB1101 0uH
C1153 6.3V B 2012
C1154 10 6.3V 2012 B
C1118 0.01 16V B
RB1118 22
C1119 0.01 16V B
RB1115 22
C1120 0.01 16V B
RB1116 22
C1122 0.01 16V B
IC1102
K4D263238F-UC50T
DDR MEMORY
C1145 0.01 16V B
RB1127 22
C1146 0.01 16V B
RB1128 22
C1147 0.01 16V B
C1148 0.01 16V B
RB1129 22
C1149 0.01 16V B
R1124 1.47 1/16W CHIP
C1155 0.1 16V F
R1123 10 1/16W CHIP
R1121 10 1/16W CHIP
C1134 0.01 16V B
Mount Mecha A1100
169489521

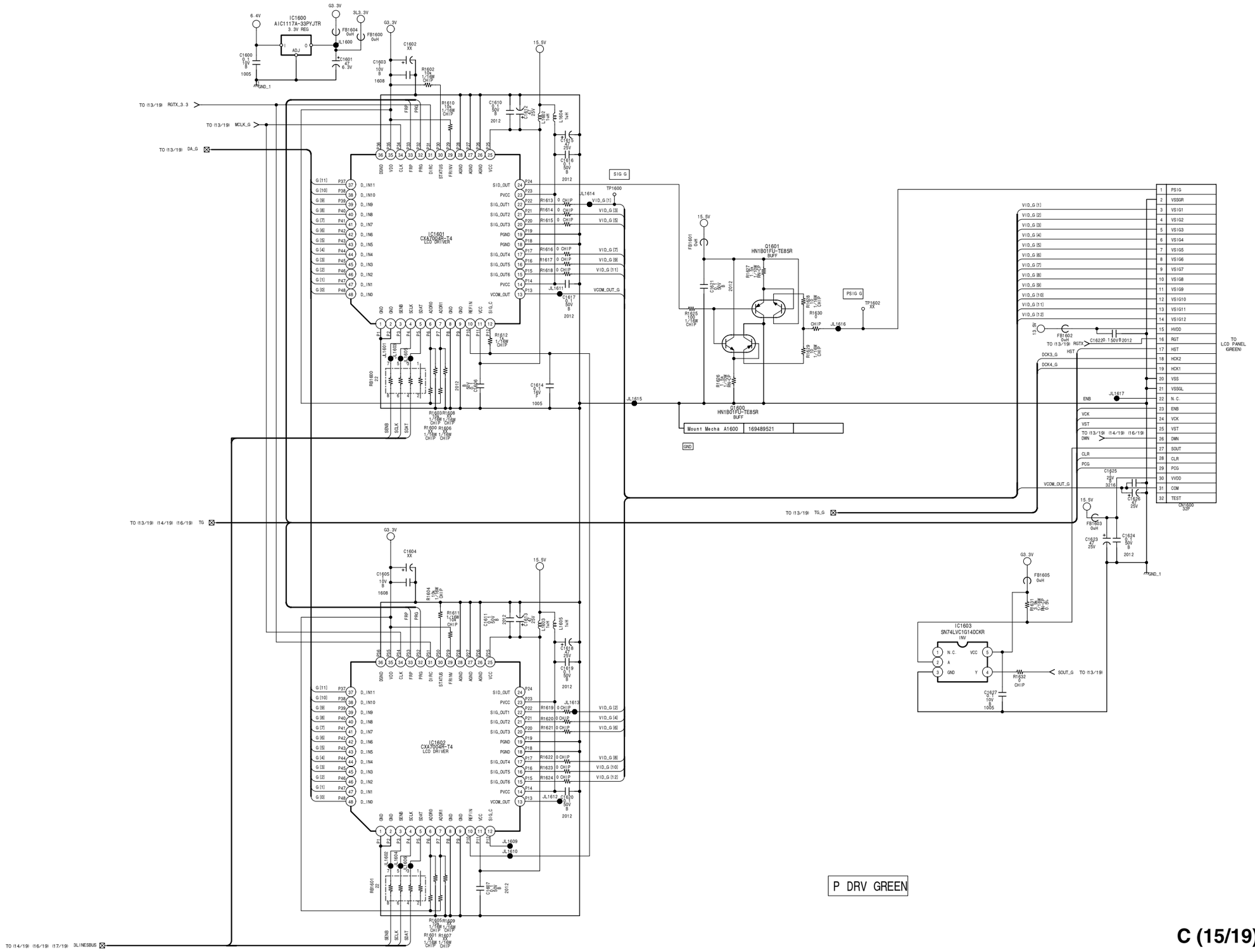

TO I12/19
GBUS1
IC1001
CXD9760GP
SYSTEM IC
RB1201
RB1202
RB1203
RB1204
RB1205
RB1206
RB1200
RB1207
RB1208
RB1209
RB1210
RB1211
GRE [0]
GRE [1]
GRE [2]
GRE [3]
GRE [4]
GRE [5]
GRE [6]
GRE [7]
GRO [0]
GRO [1]
GRO [2]
GRO [3]
GRO [4]
GRO [5]
GRO [6]
GRO [7]
GGE [0]
GGE [1]
GGE [2]
GGE [3]
GGE [4]
GGE [5]
GGE [6]
GGE [7]
GGO [0]
GGO [1]
GGO [2]
GGO [3]
GGO [4]
GGO [5]
GGO [6]
GGO [7]
GBE [0]
GBE [1]
GBE [2]
GBE [3]
GBE [4]
GBE [5]
GBE [6]
GBE [7]
GBO [0]
GBO [1]
GBO [2]
GBO [3]
GBO [4]
GBO [5]
GBO [6]
GBO [7]
D2_5V
D3_3V
IC1201
AIC1117A-CE
1.5V REG
ADJ
FB1201
FB1202
FB1203
FB1200
IL1200
R1201
R1202
C1237
C1234
C1207
GND_1
TO I10/19
VREF
DLLPVSL1
DLLPVSL2
DLLPVSL3
DLLPVSL4
DLLPVSL5
VSS2
VDDS
DLLPVDM
MREF
PLLADV
DLLPVSM
TREF
PLLAVS
IC1001
CXD9760GP
SYSTEM IC

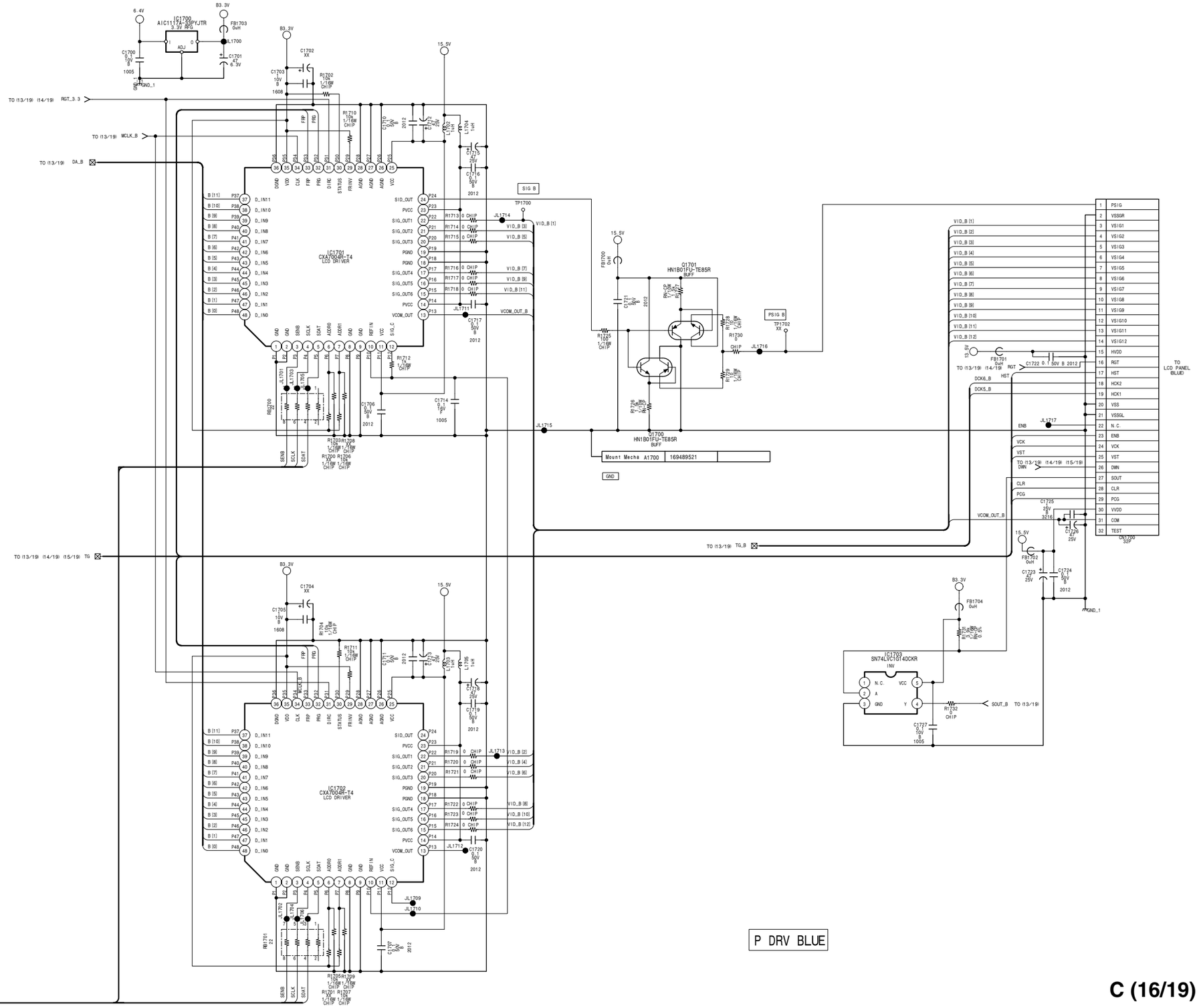

GRAPHIC PORT
VIDEO PORT
MISC
DISPLAY PORT
POWER AND GROUND
IC1301
PW168B-10VL
SCAN CONVERTER
IC1302
S-80928CNMC-G8Y-T2
RESET
IC1303
SPREAD SPECTRUM
ICS342MT
IC1304
74VHC02MTCX
NOR
IC1305
MX29LV800BTTC-70G-89PW
FLASH MEMORY
IC1300
AIC1117A-CE
1.55V REG
Q1300
DTC114EUA-T106
SW
CN1301
XX
CN1300
XX
RXD
GND
TXD
TO I9/19I GSYNC
TO I9/19I GETC
TO I2/19I GPENSOG
TO I11/19I GBUST
TO I6/19I SDA_PW
TO I6/19I SCL_PW
TO I7/19I PW
TO I13/19I PW_OUT1
TO I13/19I PW_OUT2
P1C_MUTE
PWFMBSY
RESETN
BOOTWE
VPPEN
BHENN
ROMOEN
ROMWEN
FCEN
CS0
CS1
NMI
3.3V_SC
D3.3V
1.5V_SC
D2.5V
FL1300
SC


IC1401
CXD9809GF
3DGAMMA&TG
IC1400
LM1117MPX-1.8
1.8V REG
IC1405
SN74AHCT541PWR
BUFF
IC1404
SN74AHCT541PWR
BUFF
IC1406
XX
EEPROM
IC1407
XX
EEPROM
Q1400
DTC114EUA-T106
BUFF
Q1401
HN1B01FU-TE85R
SW
IC1410
24LC64-I/SNG
IC1411
24LC64-I/SNG
IC1402
S-80928CNMC-GBY-T2
RESET
CN1400
4P
Mount Mecha A1400 169489521
GAMMA
PW_OUT1
PW_OUT2
DA_R TO (14/19)
DA_G TO (15/19)
DA_B TO (16/19)
PW_DRE [9]
PW_DRE [8]
PW_DRE [7]
PW_DRE [6]
PW_DRE [5]
PW_DRE [4]
PW_DRE [3]
PW_DRE [2]
PW_DRE [1]
PW_DRE [0]
PW_DGE [9]
PW_DGE [8]
PW_DGE [7]
PW_DGE [6]
PW_DGE [5]
PW_DGE [4]
PW_DGE [3]
PW_DGE [2]
PW_DGE [1]
PW_DGE [0]
PW_DBE [9]
PW_DBE [8]
PW_DBE [7]
PW_DBE [6]
PW_DBE [5]
PW_DBE [4]
PW_DBE [3]
PW_DBE [2]
PW_DBE [1]
PW_DBE [0]
SOUT_R
SOUT_G
SOUT_B
LCDHST
LCDOCK1
LCDOCK2
LCDOCK3
LCDOCK4
LCDOCK5
LCDOCK6
LCDCLR
LCDENB
LCDPCG
LCDPRG
LCDFRP
LCDRGT
LCDRGTX
LCDDWNX
LCDVST
LCDVCK
5V
D3_3V
1_8V
GND
GND_1
PW_DCLK
PW_DHS
PW_DVS
SDA_400_2
SCL_400_2
TO (17/19) I2C_400_2
W_SCL
W_SDA
FRP
PRG
CLR
ENB
HST
VST
VCK
PCG
DWN
TG
TG_R TO (14/19)
TG_G TO (15/19)
TG_B TO (16/19)
DCK1_R
DCK2_R
DCK3_G
DCK4_G
DCK5_B
DCK6_B
RGTX
RGT


IC1500
AIC1117A-33PYJTR
3.3V REG
IC1501
CXA7004R-T4
LCD DRIVER
IC1502
CXA7004R-T4
LCD DRIVER
Q1501
HN1B01FU-TE85R
BUFF
Q1500
HN1B01FU-TE85R
BUFF
IC1503
PQ20WZ11J00H
15.5V REG
IC1504
TK11100CSCB-G
13.5V REG
IC1505
SN74LVC1G14DCKR
INV
Mount Mecha A1500 169489521
P DRV RED
TO LCD PANEL PEDI
TO I13/19I I16/19I RGT_3.3
TO I13/19I MCLK_R
TO I13/19I DA_R
TO I13/19I I15/19I I16/19I TG
TO I15/19I I16/19I I17/19I 3LINESBUS
SIG R
VID_R [1]
VID_R [2]
VID_R [3]
VID_R [4]
VID_R [5]
VID_R [6]
VID_R [7]
VID_R [8]
VID_R [9]
VID_R [10]
VID_R [11]
VID_R [12]
VCOM_OUT_R
PSIG R
SOUT_R TO I13/19I
TG_R
TO I13/19I

C (14/19)


IC1600
AIC1117A-33PYJTR
3.3V REG
IC1601
CXA7004R-T4
LCD DRIVER
IC1602
CXA7004R-T4
LCD DRIVER
IC1603
SN74LVC1G14DCKR
INV
Q1600
HN1B01FU-TE85R
BUFF
Q1601
HN1B01FU-TE85R
BUFF
Mount Mecha A1600 | 169489521
SIG_G
PSIG_G
VCOM_OUT_G
P_DRV GREEN
TO LCD PANEL (GREEN)
CN1600
32P
TO I13/19| RGTX_3.3
TO I13/19| MCLK_G
TO I13/19| DA_G
TO I13/19| TG_G
TO I14/19| I16/19| I17/19| 3LINESBUS
TO I13/19| I14/19| I16/19| TG
TO I13/19| I14/19| I16/19| DWN
TO I13/19| RGTX
SOUT_G TO I13/19|


IC1700
AIC1117A-33PYJTR
3.3V REG
IC1701
CXA7004R-T4
LCD DRIVER
IC1702
CXA7004R-T4
LCD DRIVER
IC1703
SN74LVC1G14DCKR
INV
Q1700
HN1B01FU-TE85R
BUFF
Q1701
HN1B01FU-TE85R
BUFF
Mount Mecha A1700 169489521
SIG_B
P_DRV_BLUE
TO LCD PANEL (BLUE)
CN1700
30P
TO (13/19) (14/19) RGT_3.3
TO (13/19) MCLK_B
TO (13/19) DA_B
TO (13/19) (14/19) (15/19) TG
TO (14/19) (15/19) (17/19) 3LINESBUS
TO (13/19) TG_B
VID_B [1]
VID_B [2]
VID_B [3]
VID_B [4]
VID_B [5]
VID_B [6]
VID_B [7]
VID_B [8]
VID_B [9]
VID_B [10]
VID_B [11]
VID_B [12]
VCOM_OUT_B
SOUT_B
TO (13/19)

C (16/19)

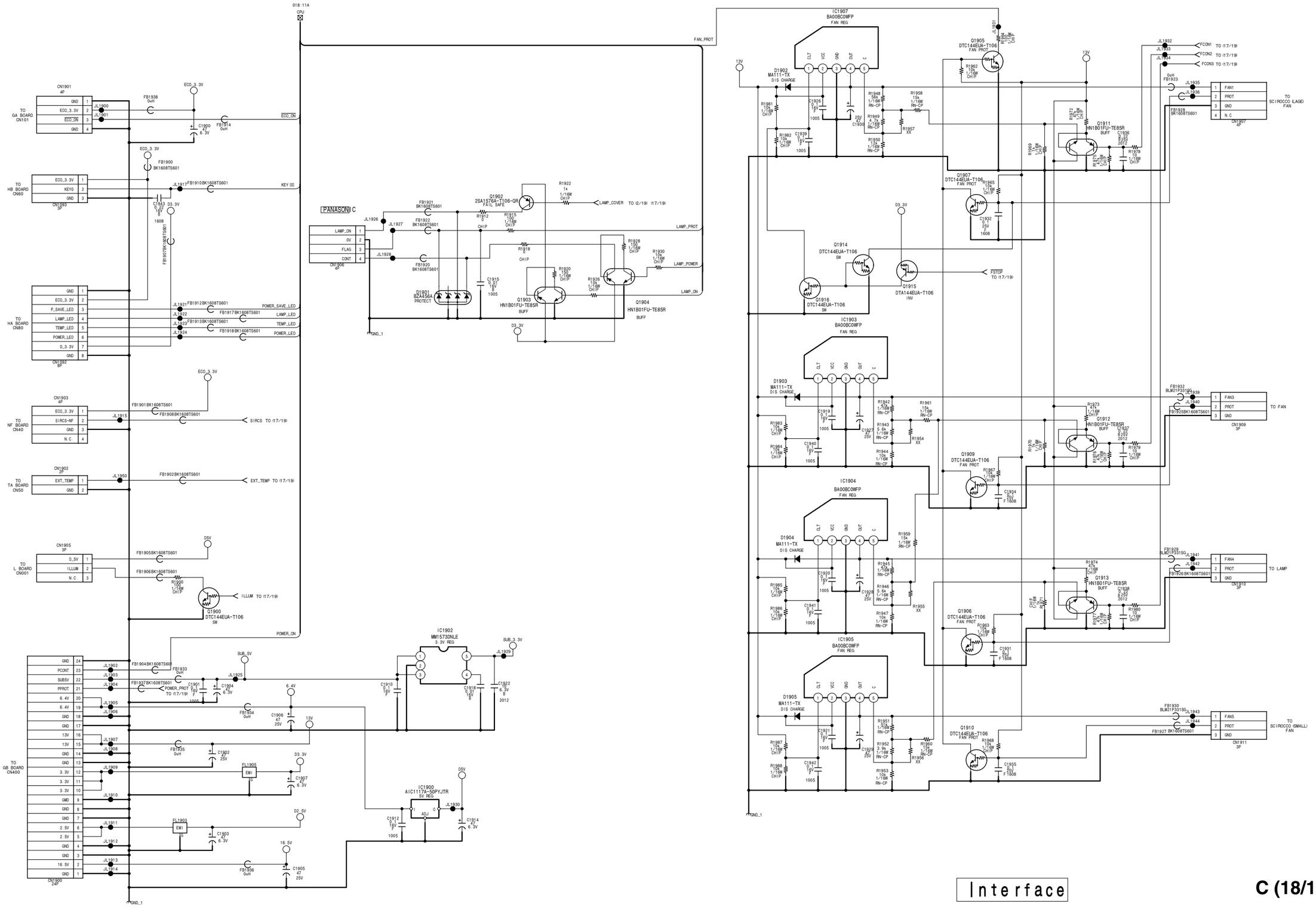
*	VPL-HS60	VPL-HS51A
C1808	XX	0.1 16V CHIP 1005
CN1806	XX	8P
FB1800	XX	0uH
FB1801	XX	0uH
FB1802	XX	0uH
FB1803	XX	0uH
FB1804	XX	0uH
IC1808	XX	SN74LV125APWR
IC1809	XX	TC7SH00FU-TE85R
Q1801	XX	SSM6N15FU (TE85R
R1601	XX	10k 1/16W CHIP 1005
R1873	XX	4.7k 1/16W CHIP 1005
R1881	XX	47 1/16W CHIP 1005
R1882	XX	47 1/16W CHIP 1005
R1885	XX	0 1/16W CHIP 1005
R1886	XX	0 1/16W CHIP 1005
R1887	XX	47 1/16W CHIP 1005
R2102	XX	10k 1/16W CHIP 1005

IC1802
HD64F2378V/D34V
MAIN CPU

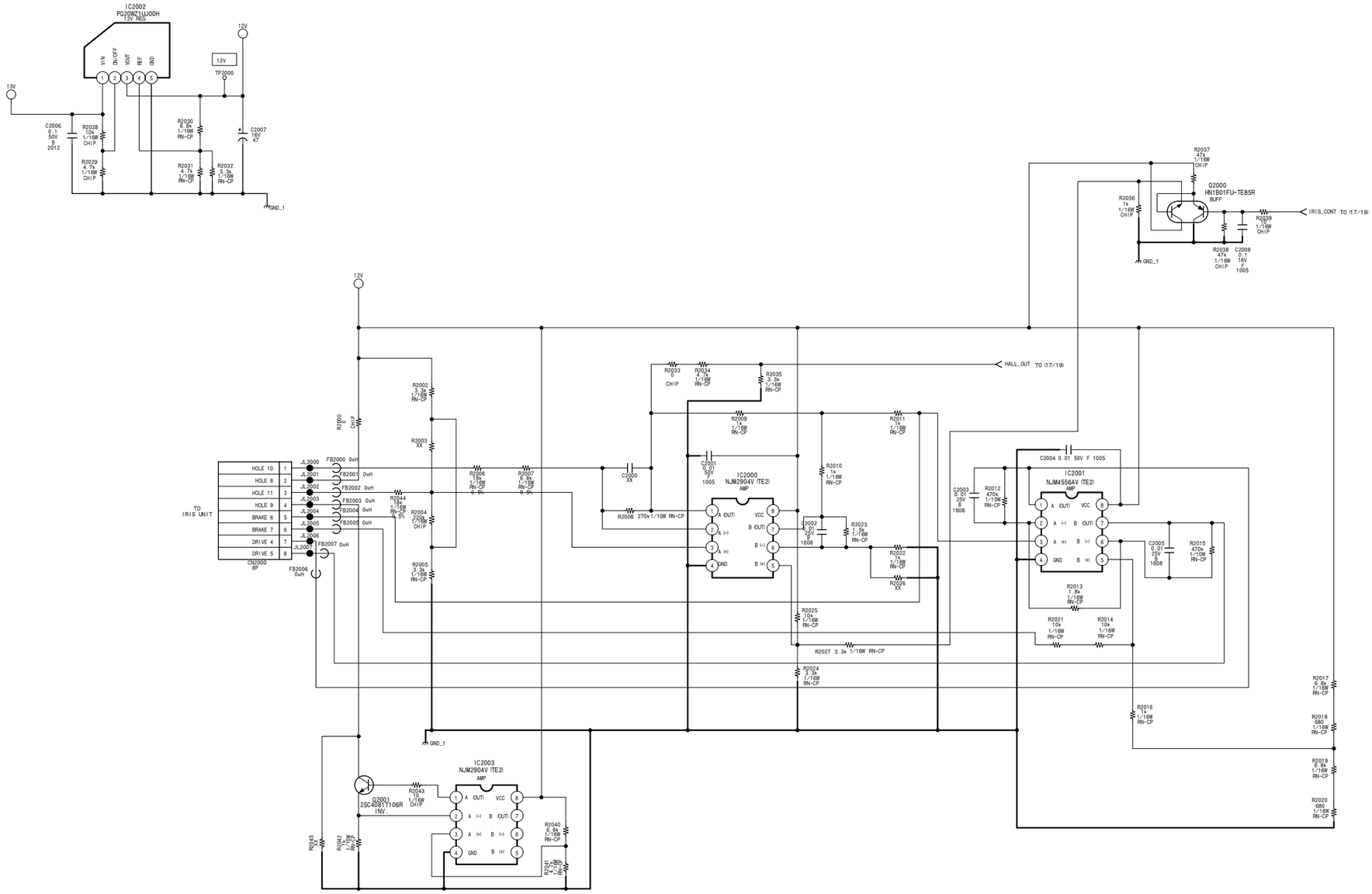
Mount Mecha A1800 | 169489521

CPU

C (18/19)

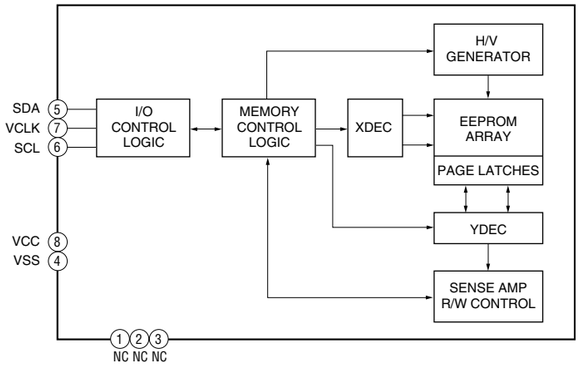


Interface

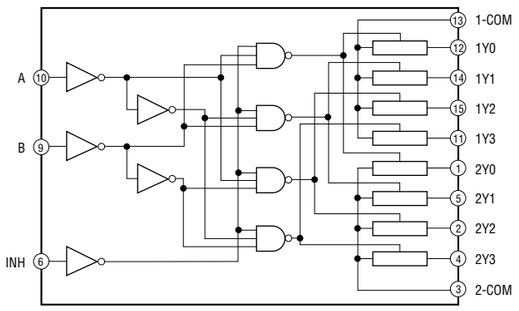

IC2002
PQ20WZ1LUI00H
12V REG
VIN
ON/OFF
VOUT
REF
GND
12V
TP2000
C2006 0.1 50V B 2012
R2028 10k 1/16W CHIP
R2029 4.7k 1/16W CHIP
R2030 6.8k 1/16W RN-CP
R2031 4.7k 1/16W RN-CP
R2032 3.3k 1/16W RN-CP
C2007 16V 47
GND_1
R2037 47k 1/16W CHIP
Q2000 HN1B01FU-TE85R BUFF
R2036 1k 1/16W CHIP
R2038 47k 1/16W CHIP
C2008 0.1 16V F 1005
R2039 1k 1/16W CHIP
IRIS_CONT TO I17/19
HALL_OUT TO I17/19
R2033 0 CHIP
R2034 4.7k 1/16W RN-CP
R2035 3.3k 1/16W RN-CP
R2009 1k 1/16W RN-CP
R2011 1k 1/16W RN-CP
C2001 0.01 50V F 1005
R2010 1k 1/16W RN-CP
R2000 CHIP
R2002 3.3k 1/16W RN-CP
R2003 XX
R2006 1k 1/16W RN-CP 0.5%
R2007 6.8k 1/16W RN-CP 0.5%
C2000 XX
R2008 270k 1/10W RN-CP
IC2000 NJM2904V (TE2) AMP
R2004 220k 1/16W CHIP
R2044 18k 1/16W RN-CP 0.5%
R2005 3.3k 1/16W RN-CP
C2002 0.01 50V F 1608
R2023 1.8k 1/16W RN-CP
R2022 1k 1/16W RN-CP
R2026 XX
R2025 10k 1/16W RN-CP
R2027 3.3k 1/16W RN-CP
R2024 10k 1/16W RN-CP
C2004 0.01 50V F 1005
C2003 0.01 50V F 1608
R2012 470k 1/16W RN-CP
IC2001 NJM4556AV (TE2) AMP
C2005 0.01 50V F 1608
R2015 470k 1/10W RN-CP
R2013 1.8k 1/16W RN-CP
R2021 10k 1/16W RN-CP
R2014 10k 1/16W RN-CP
R2016 1k 1/16W RN-CP
R2017 6.8k 1/16W RN-CP
R2018 680 1/16W RN-CP
R2019 6.8k 1/16W RN-CP
R2020 680 1/16W RN-CP
TO IRIS UNIT
CN2000 8P
HOLE 10 1
HOLE 8 2
HOLE 11 3
HOLE 9 4
BRAKE 6 5
BRAKE 7 6
DRIVE 4 7
DRIVE 5 8
JL2000
JL2001
JL2002
JL2003
JL2004
JL2005
JL2006
JL2007
FB2000 0uH
FB2001 0uH
FB2002 0uH
FB2003 0uH
FB2004 0uH
FB2005 0uH
FB2007 0uH
FB2006 0uH
IC2003 NJM2904V (TE2) AMP
Q2001 2SC4081T106R INV.
R2043 10k 1/16W CHIP
R2040 6.8k 1/16W RN-CP
R2045
R2042 10k 1/16W RN-CP
R2041 10k 1/16W RN-CP

C (19/19)

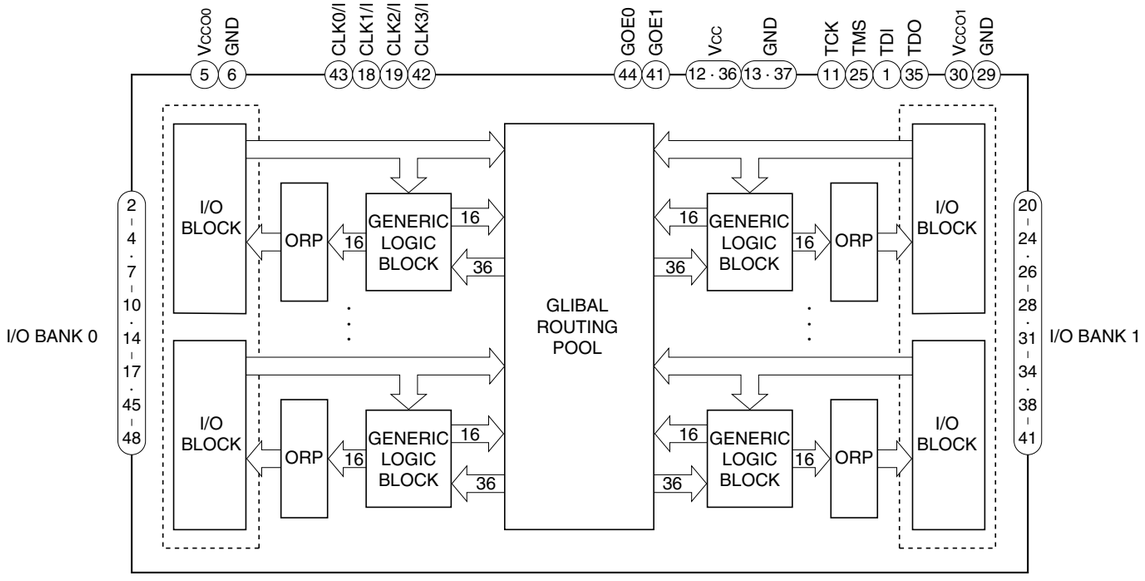
C (1/19) 24LC21AT/SN (IC100)



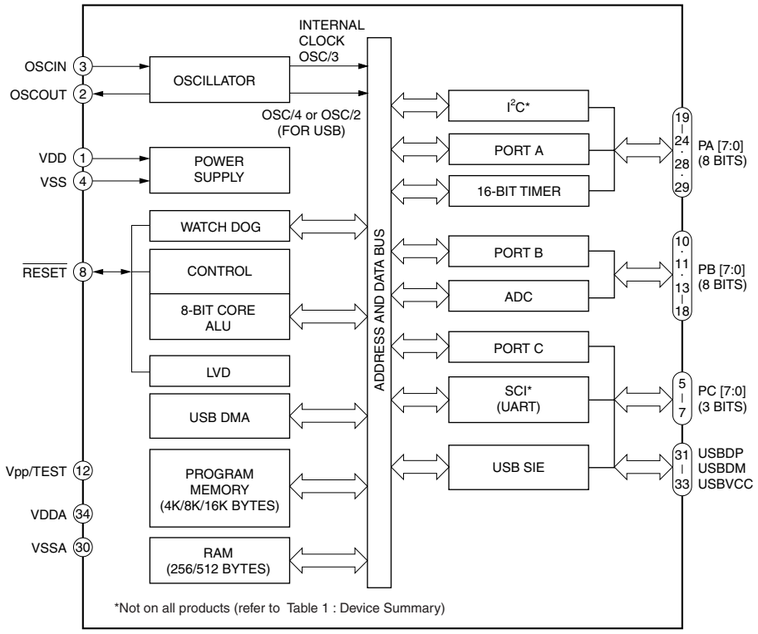
C (1/19, 31/19) SN74LV4052APWR (IC102, IC401)



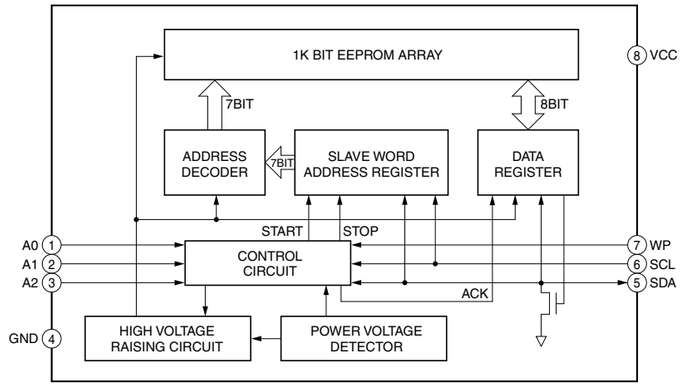
C (2/19) LC4032V-75TN48C-DLY2 (IC200)


VCCO0 GND CLK0/I CLK1/I CLK2/I CLK3/I GOE0 GOE1 VCC GND TCK TMS TDI TDO VCCO1 GND
5 6 43 18 19 42 44 41 12 · 36 13 · 37 11 25 1 35 30 29
I/O BANK 0
2 · 4 · 7 · 10 · 14 · 17 · 45 · 48
I/O BANK 1
20 · 24 · 26 · 28 · 31 · 34 · 38 · 41
I/O BLOCK
ORP
GENERIC LOGIC BLOCK
16
36
GLIBAL ROUTING POOL

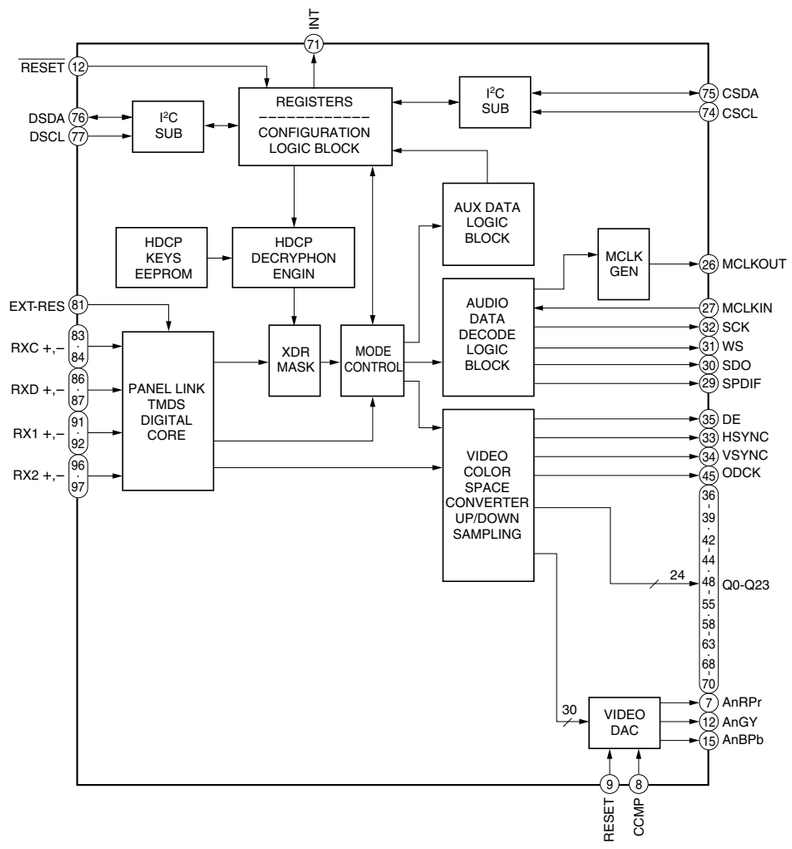
C (2/19) ST72T631K4M1-201 (IC201)



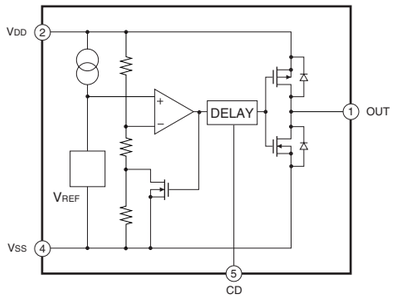
C (3/19, 17/19) BR24L02F-WE2 (IC400, IC1807)



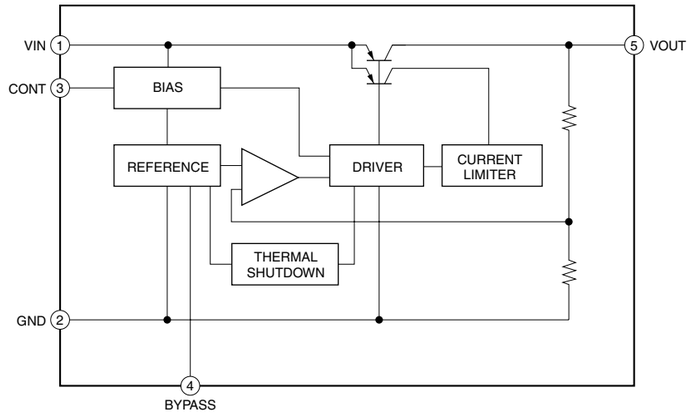
C (3/19) SII9993CTG100 (IC403)



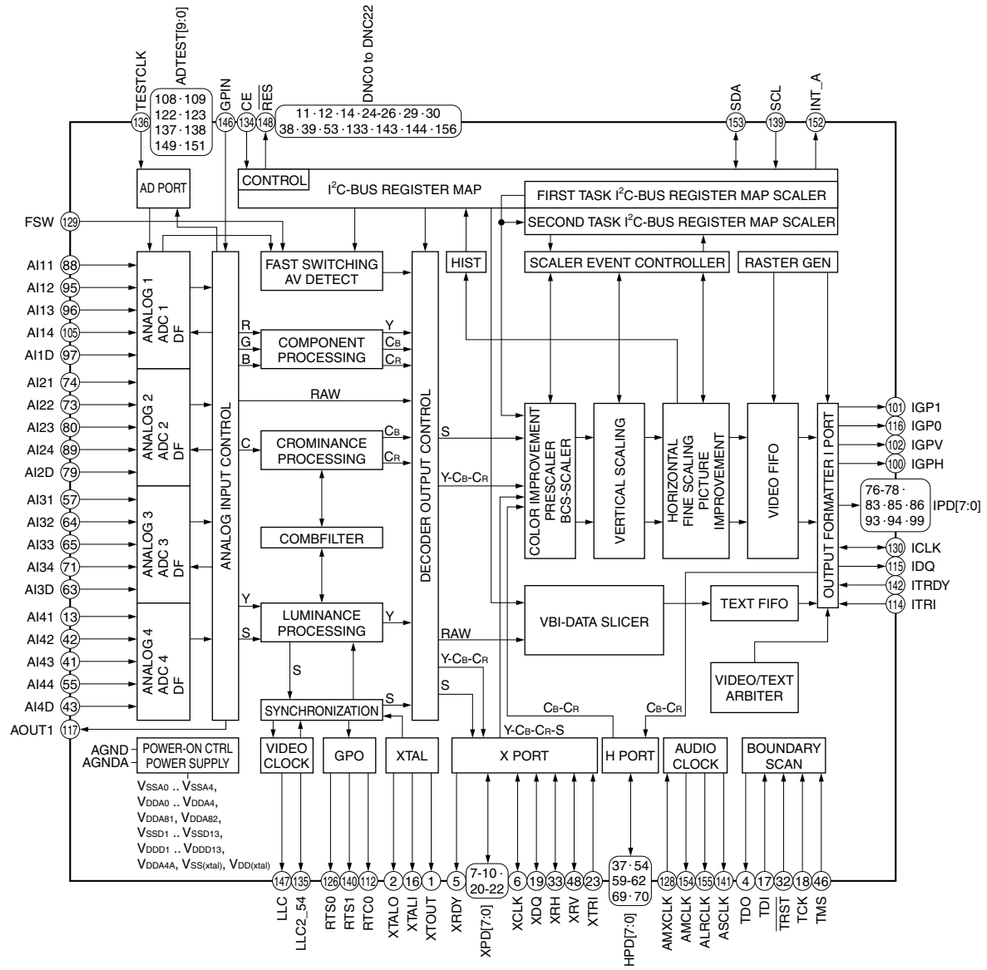
C (3/19, 5/19, 8/19, 9/19, 12/19, 13/19, 17/19)
S-80928CNMC-G8YT2G
(IC402, IC605, IC905, IC1000, IC1302, IC1402, IC1803)



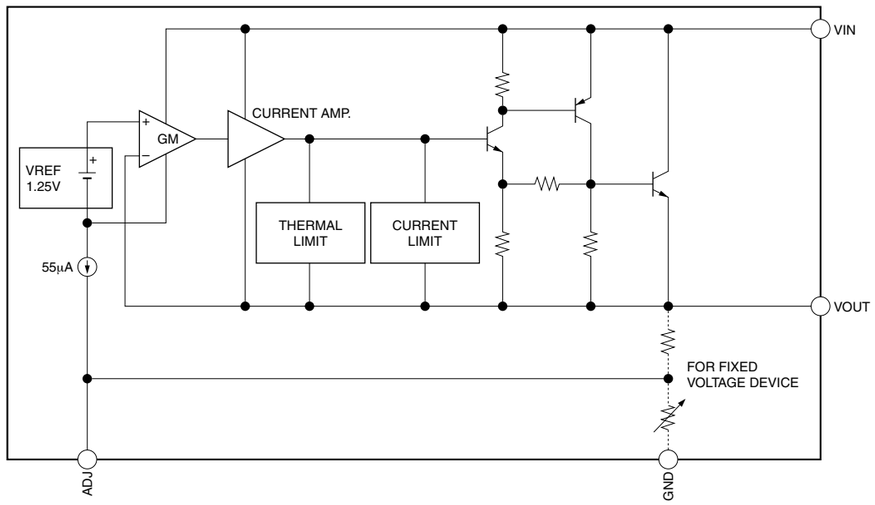
C (4/19, 5/19, 18/19) MM1573DNLE (IC502, IC503, IC1902)
C (5/19, 6/19) MM1571JNLE (IC602, IC701)



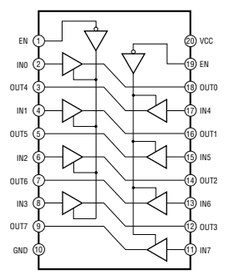
C (5/19) SAA7119E/V2 (IC601)



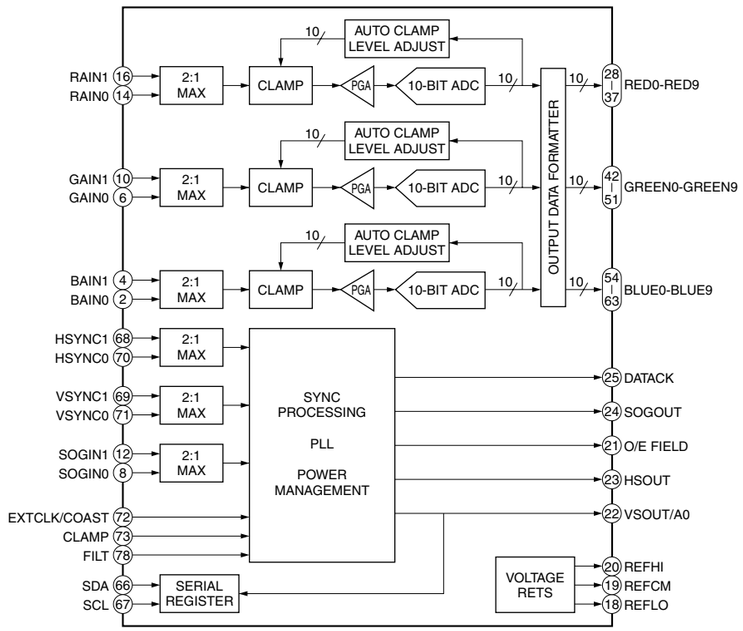
C (5/19) AIC1117A-18PYJTR (IC604)
C (4/19) AIC1117A-25PEJTR (IC501)
C (5/19, 6/19) AIC1117A-33PEJTR (IC600, IC700)
C (14/19, 15/19, 16/19) AIC1117A-33PYJTR (IC1500-IC1700)
C (4/19) AIC1117A-50PEJTR (IC500)
C (8/19, 18/19) AIC1117A-50PYJTR (IC904, IC1900)
C (11/19, 12/19) AIC1117A-PEJTR (IC1201, IC1300)



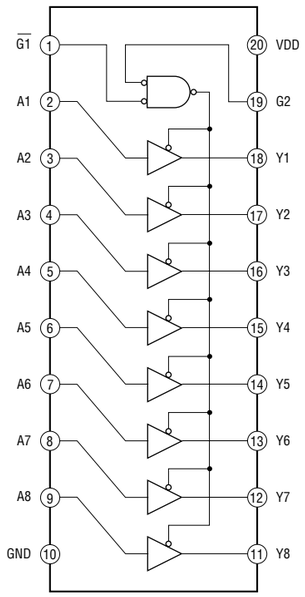
C (6/19) SN74LVC244APWR (IC703)



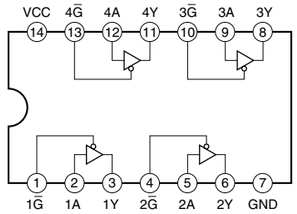
C (6/19) AD9981KSTZ-95 (IC702)



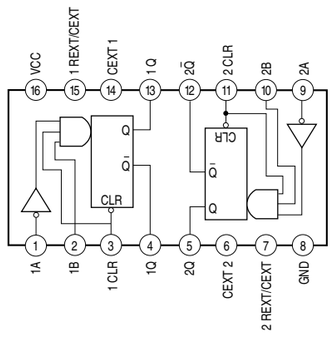
C (7/19) SN74LVC541APWR (IC800, IC801, IC802, IC803, IC804, IC805)
C (13/19) SN74AHCT541APWR (IC1404, IC405)



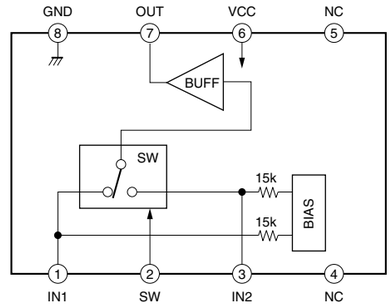
C (8/19) SN74LVC125APWR-12 (IC900)
C (17/19) SN74LV125APWR (IC1801, IC1806, IC1808)



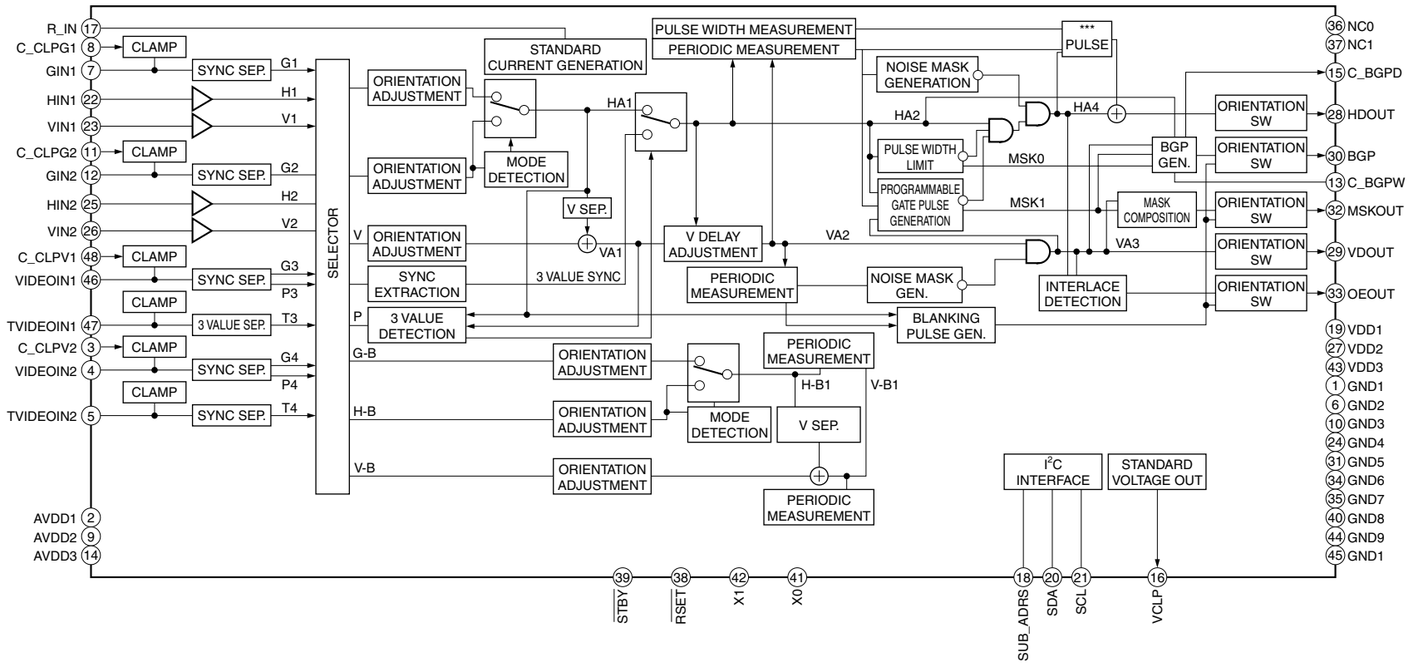
C (8/19) TC74VHC123AFT(EL) (IC901)



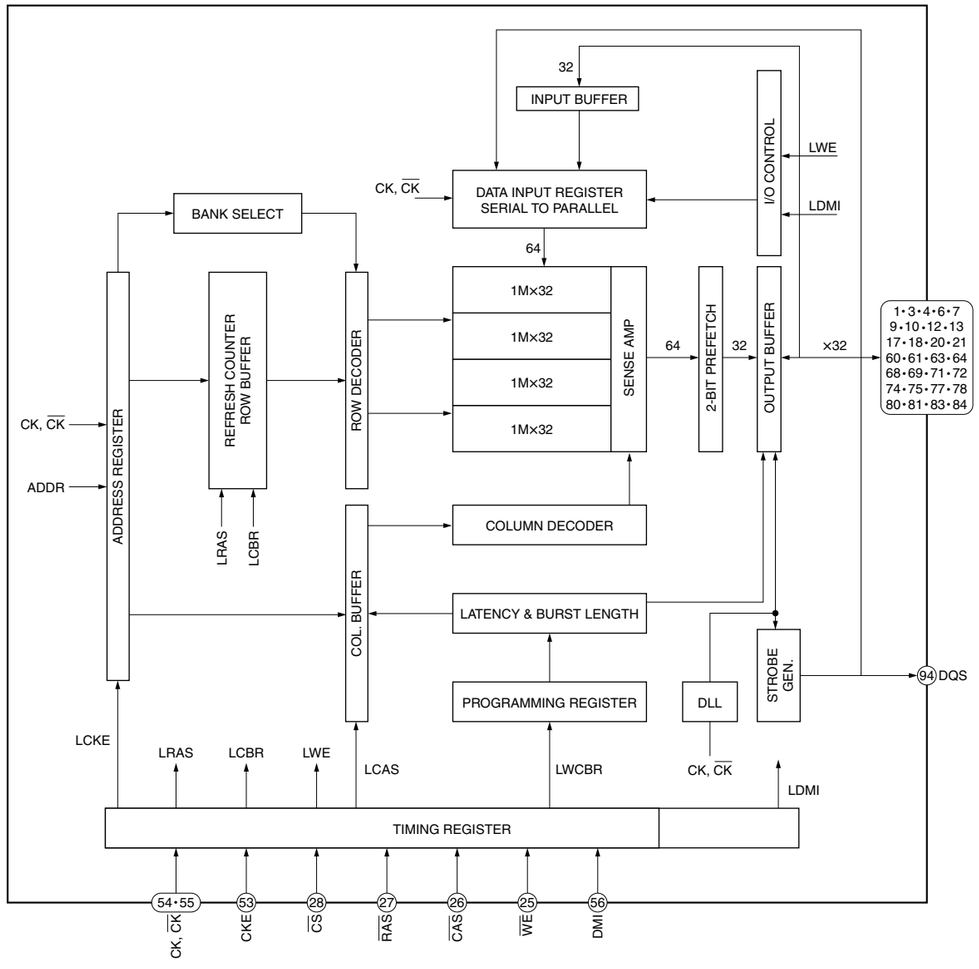
C (8/19) MM1115XFBE (IC902)



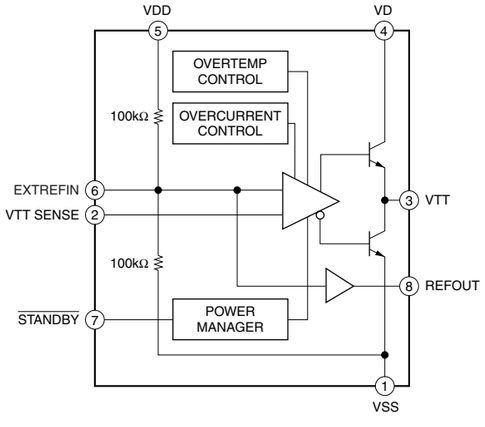
C (8/19) TE8200PF (IC906)



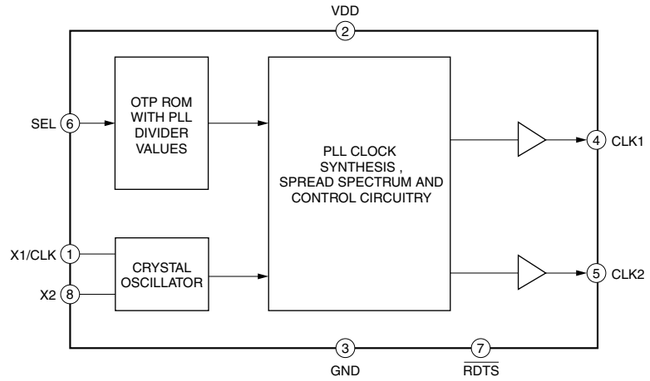
C (10/19) K4D263238F-UC50T (IC1102)



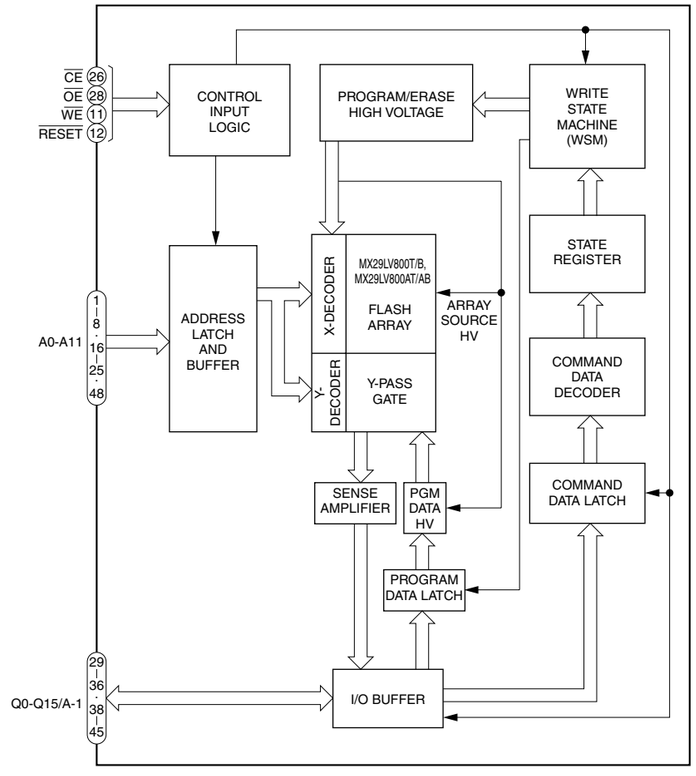
C (10/19) NE57814DD.118 (IC1101)



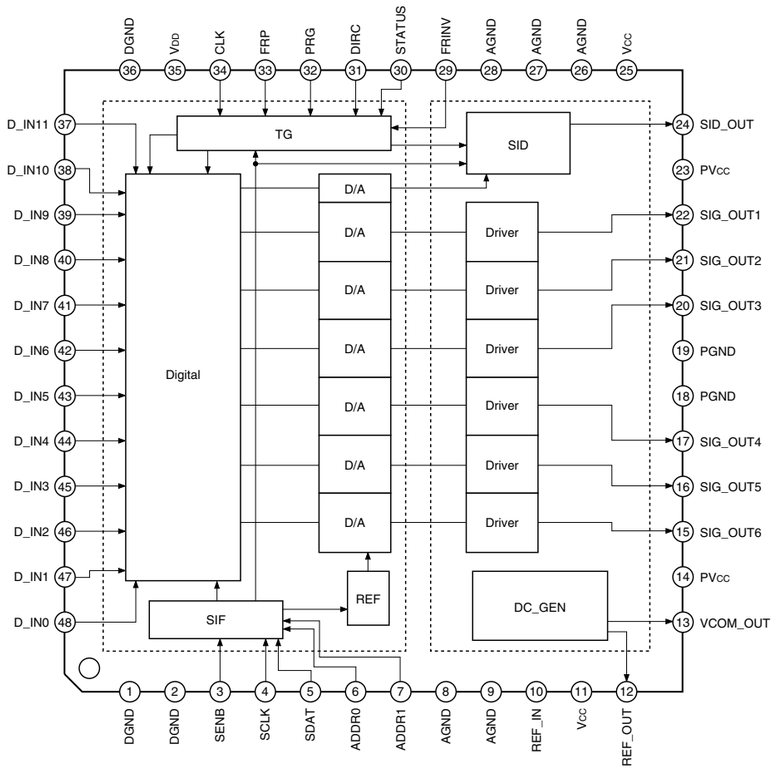
C (12/19) ICS342M-05LF (IC1303)



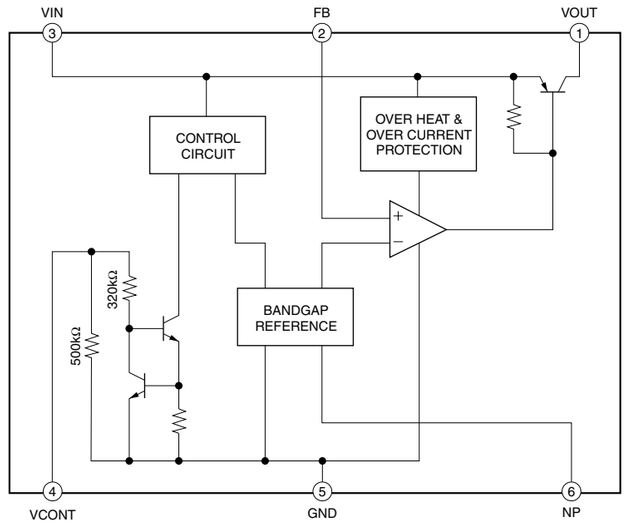
C (12/19) MX29LV800BTTC-70G-89PW (IC1305)



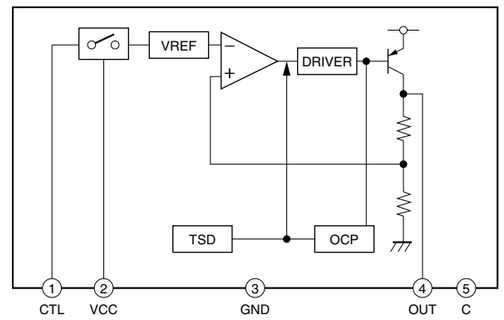
C (14/19,15/19,16/19) CXA7004R-T4 (IC1501, IC1502, IC1601, IC1602, IC1701, IC1702)



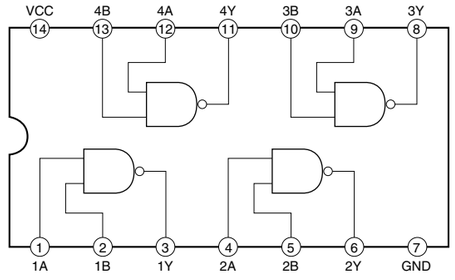
C (14/19) TK11100CSCB-G (IC1504)



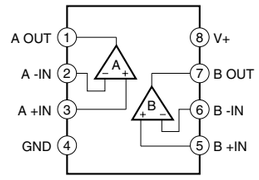
C (18/19) BA00BC0WFP-E2 (IC1903-IC905, IC907)



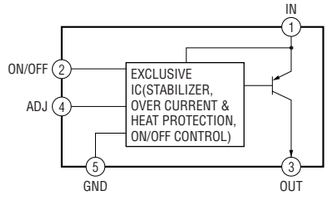
C (17/19) SN74LV00APWR (IC1805)



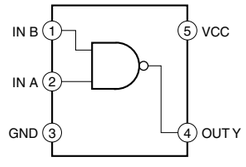
C (19/19) NJM2904V(TE2) (IC2000, IC2003)
C (19/19) NJM4556AV(TE2) (IC2001)

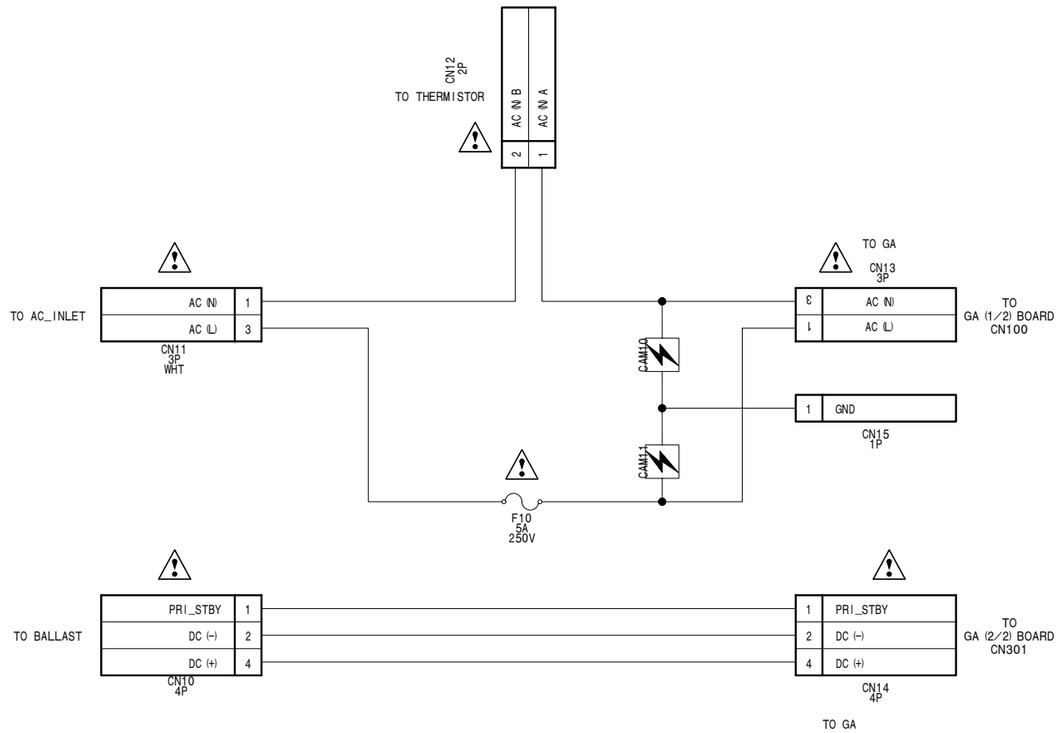


C (14/19, 19/19) PQ20WZ1UJ00H (IC1503, IC2002)



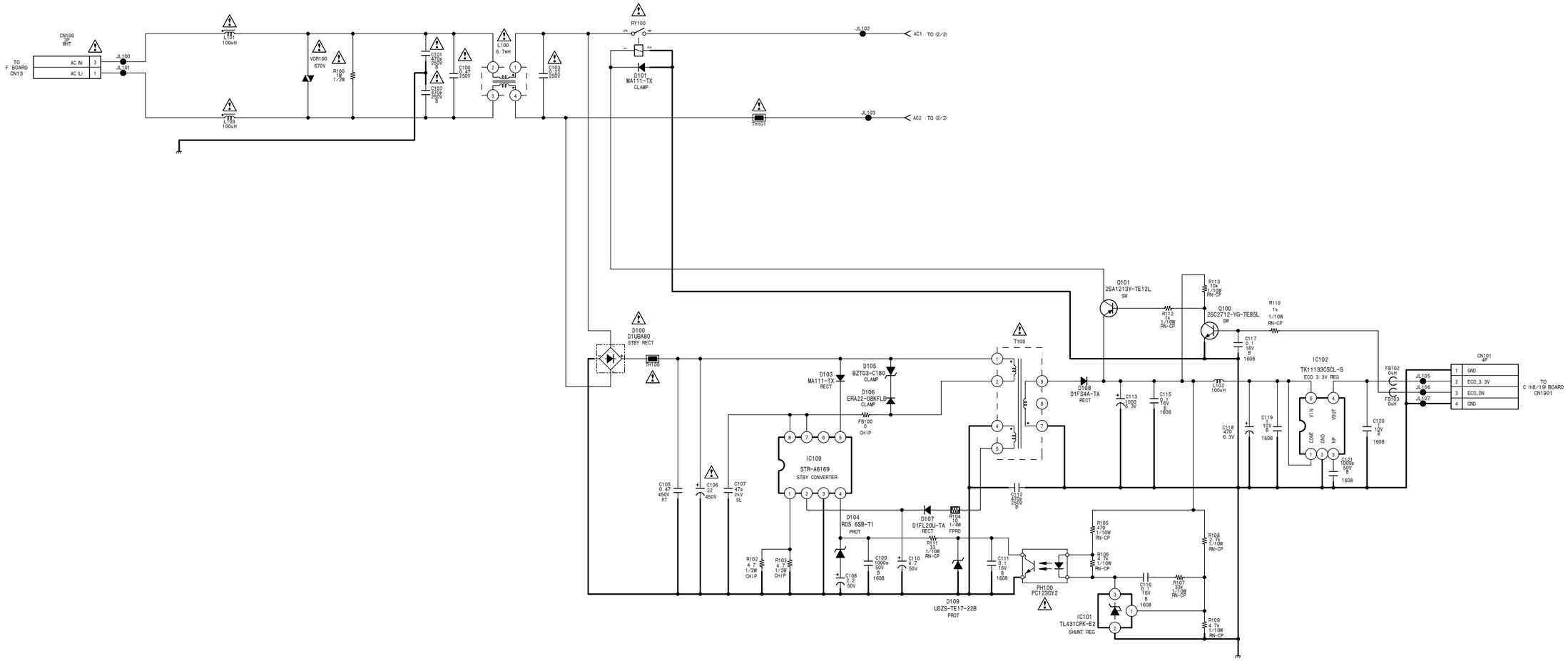
C (17/19) TC7SH00FU-TE85R (IC1809)



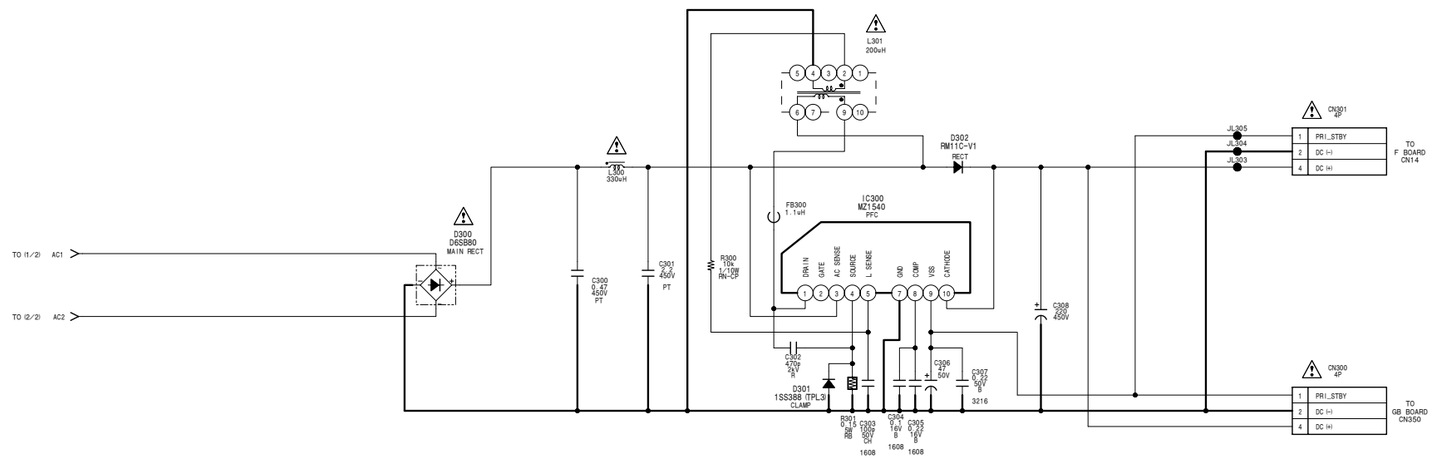

CN12
2P
TO THERMISTOR
AC IN B
AC IN A
2
1
TO GA
CN13
3P
3
AC (N)
1
AC (L)
TO
GA (1/2) BOARD
CN100
TO AC_INLET
AC (N)
1
AC (L)
3
CN11
3P
WHT
CAM10
CAM11
1
GND
CN15
1P
F10
5A
250V
PRI_STBY
1
DC (–)
2
DC (+)
4
TO BALLAST
CN10
4P
1
PRI_STBY
2
DC (–)
4
DC (+)
TO
GA (2/2) BOARD
CN301
CN14
4P
TO GA

F

6-26


CN100
WHT
TO
F BOARD
CN13
AC IN
AC IL
JL100
JL101
L101
100uH
L103
100uH
VDR100
670V
R100
1M
1/2W
C101
470p
250V
B
C102
470p
250V
B
C100
0.47
250V
SL
L100
6.7mH
C103
0.22
250V
SL
RY100
D101
MA111-TX
CLAMP
JL102
AC1 TO (2/2)
JL103
AC2 TO (2/2)
TH101
D100
D1UBA80
STBY RECT
PHT00
D103
MA111-TX
RECT
D105
BZT03-C180
CLAMP
D106
ERA22-08K/FLB
CLAMP
FB100
0
CHIP
T100
D108
D1FS4A-TA
RECT
C113
1000
6.3V
C115
0.1
16V
B
1608
L102
100uH
C118
470
6.3V
C119
10V
B
1608
IC102
TK11133CSCL-G
ECO 3.3V REG
VIN
CONT
GND
NP
VOUT
C121
1000p
50V
B
1608
C120
10V
B
1608
FB102
0uH
FB103
0uH
JL105
JL106
JL107
CN101
GND
ECO_3.3V
ECO_ON
GND
TO
C (18,19) BOARD
CN1901
Q101
2SA1213Y-TE12L
SW
R113
10k
1/10W
RN-CP
R112
1k
1/10W
RN-CP
Q100
2SC2712-YG-TE85L
SW
R110
1k
1/10W
RN-CP
C117
0.1
16V
B
1608
IC100
STR-A6169
STBY CONVERTER
C105
0.47
450V
PT
C106
22
450V
C107
47p
2kV
SL
D104
RD5.6SB-T1
PROT
D107
D1FL20U-TA
RECT
R104
1
1/4W
FPRD
R111
33
1/10W
RN-CP
R102
4.7
1/2W
CHIP
R103
4.7
1/2W
CHIP
C108
0.2
50V
C109
1000p
50V
B
1608
C110
4.7
50V
D109
UDZS-TE17-22B
PROT
C111
0.1
16V
B
1608
PH100
PC123GY2
R105
470
1/10W
RN-CP
R106
4.7k
1/10W
RN-CP
R108
2.7k
1/10W
RN-CP
C116
0.1
16V
B
1608
R107
33k
1/10W
RN-CP
IC101
TL431CPK-E2
SHUNT REG
R109
4.7k
1/10W
RN-CP
C112
2200
250V
B

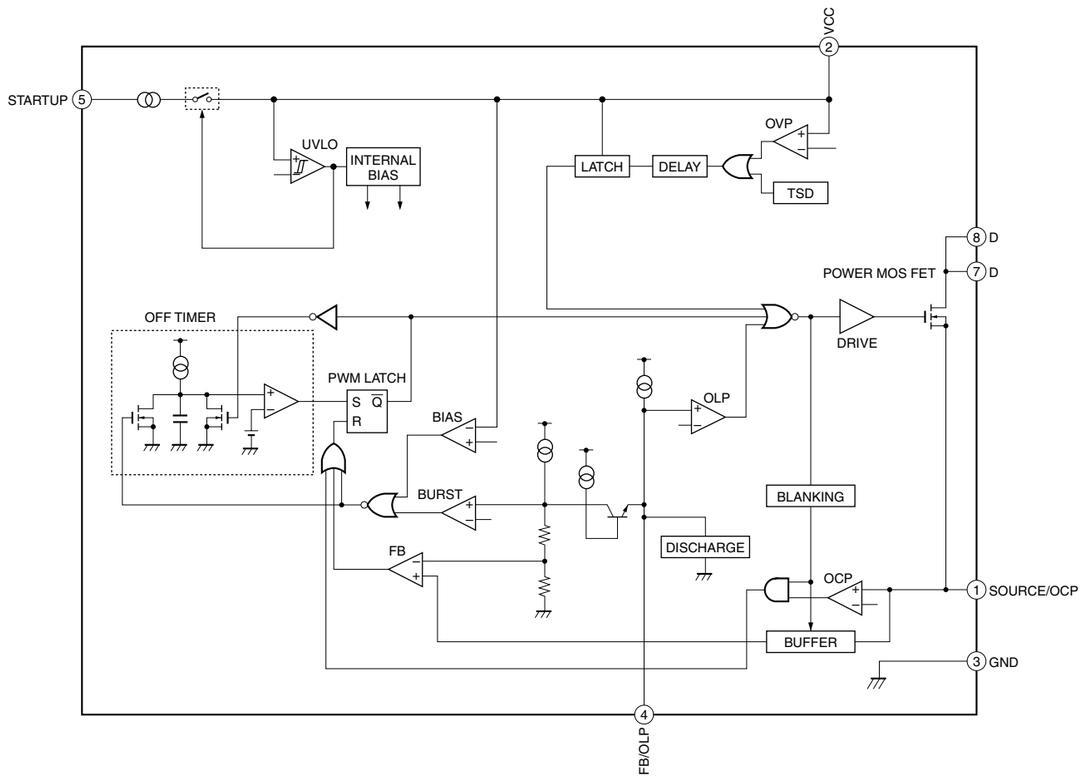
GA (1/2)



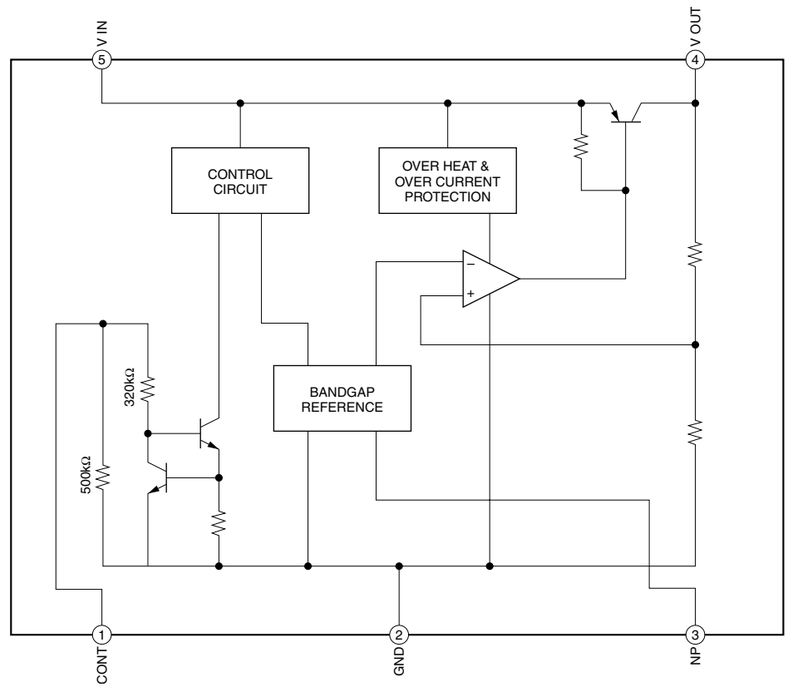
PRIMARY

GA (2/2)

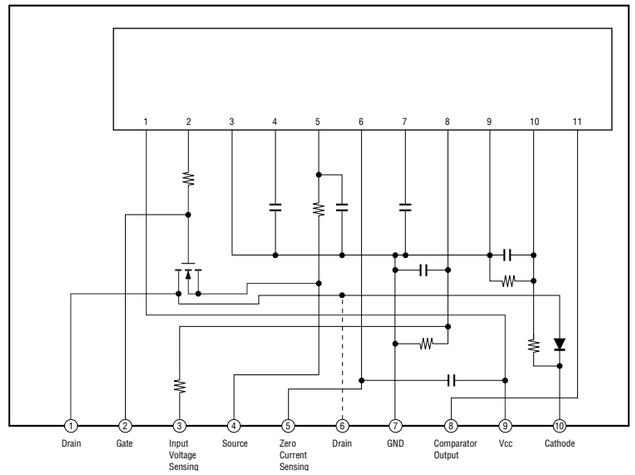
GA (1/2)STR-A6169 (IC100)

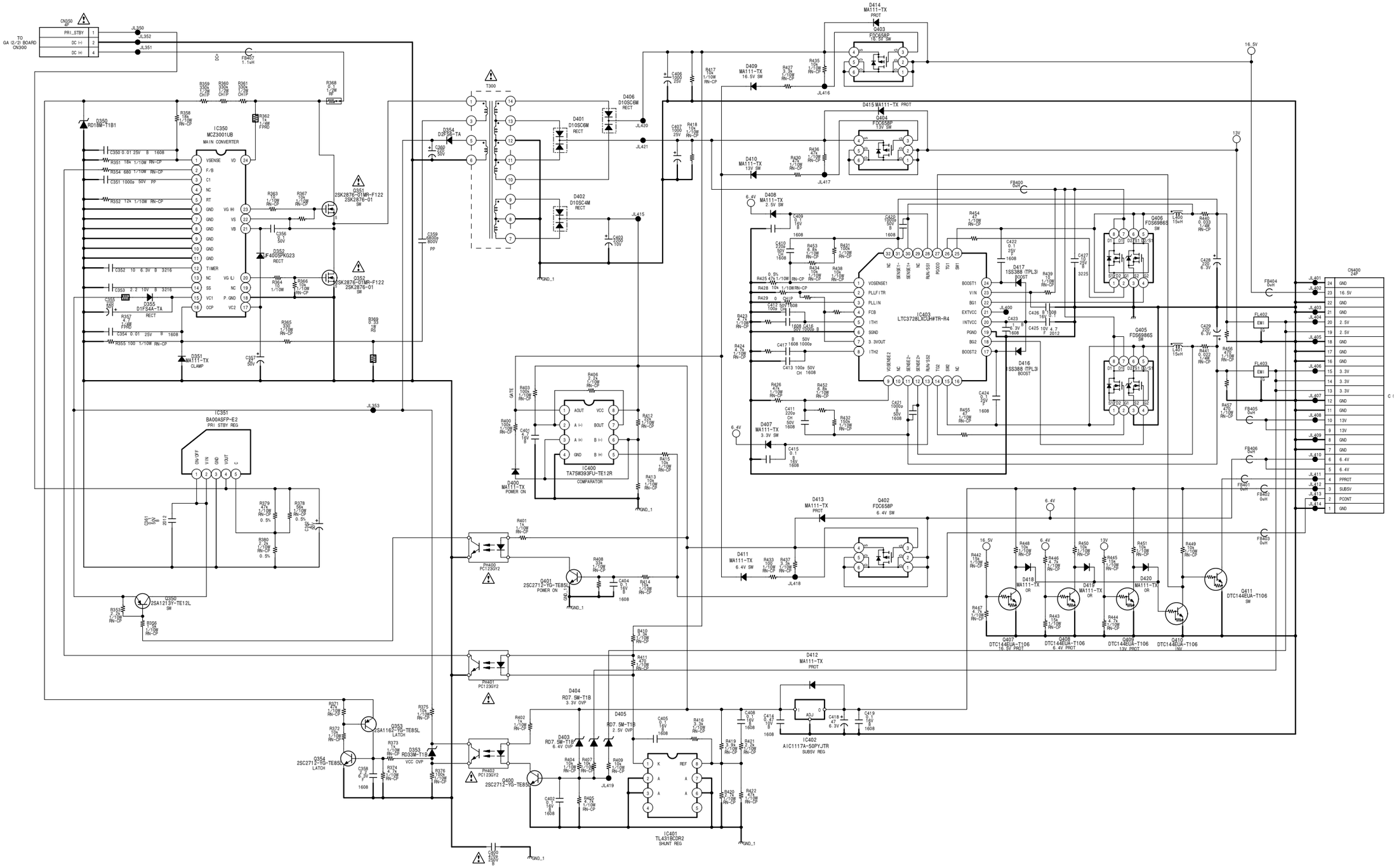


GA (1/2) TK11133CSCL-G (IC102)

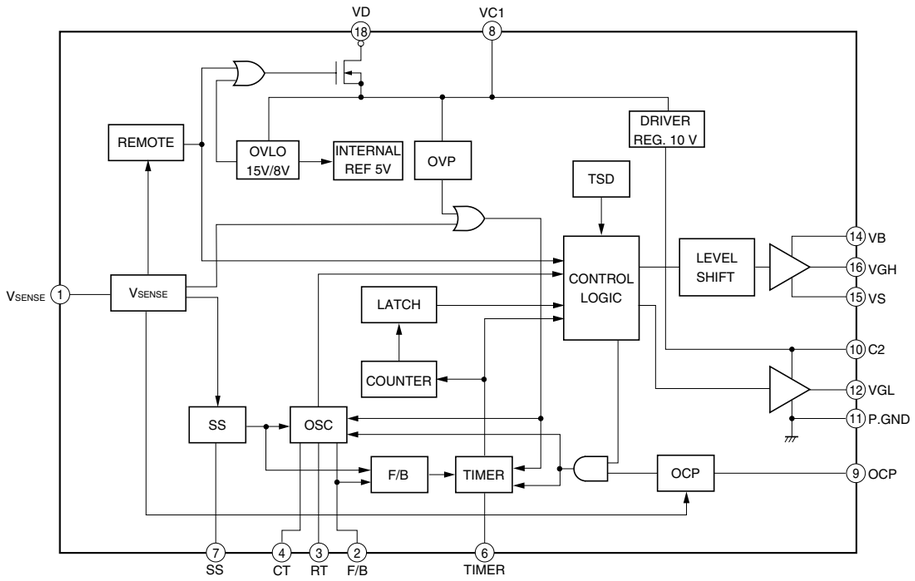


GA (2/2) MZ1540 (IC300)

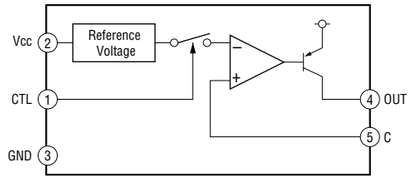



CN350
6P
PRI_STBY
DC (-)
DC (+)
TO GA (2/2) BOARD CN300
JL350
JL352
JL351
FB407 1.1uH
IC350 MCZ3001UB MAIN CONVERTER
VSENSE
F/B
C1
RT
GND
VG (H)
VS
VB
TIMER
VG (L)
SS
P.GND
OCP
VD
NC
VC2
VC1
D350 RD18M-T1B1
Q351 2SK2876-01MR-F122 2SK2876-01 SW
Q352 2SK2876-01MR-F122 2SK2876-01 SW
D352 F40GSPKG23 RECT
D355 D1FS4A-TA RECT
D951 MA111-TX CLAMP
T300
D354 D2FS8-TA
D401 D10SC6M RECT
D402 D10SC4M RECT
D406 D10SC6M RECT
JL420
JL421
JL415
GND_1
D414 MA111-TX PROT
Q403 FDC658P 16.5V SW
D409 MA111-TX 16.5V SW
JL416
D415 MA111-TX PROT
Q404 FDC658P 13V SW
D410 MA111-TX 13V SW
JL417
16.5V
13V
D408 MA111-TX 2.5V SW
IC403 LTC3728LXCUH#TR-R4
D417 1SS388 (TPL3) BOOST
D416 SS388 (TPL3) BOOST
Q406 FDS6986S SW
Q405 FDS6986S SW
JL409
JL410
JL411
JL412
JL413
JL414
CN400 24P
GND
16.5V
2.5V
3.3V
6.4V
PPROT
SUBSV
PCONT
TO C (1/2) BOARD CN1900
FL401
FL402
FL403
EMI
IC351 BA00ASFP-E2 PRI STBY REG
ON/OFF
VIN
GND
VOUT
Q350 2SA1213Y-TE12L SW
IC400 TA75W393FU-TE12R COMPARATOR
D400 MA111-TX POWER ON
PH400 PC123GY2
Q401 2SC2712-YG-TE85L POWER ON
D411 MA111-TX 6.4V SW
Q402 FDC658P 6.4V SW
JL418
D413 MA111-TX PROT
D412 MA111-TX PROT
PH401 PC123GY2
PH402 PC123GY2
Q353 2SA1162-YG-TE85L LATCH
Q354 2SC2712-YG-TE85L LATCH
D353 RD33M-T1B VCC OVP
Q400 2SC2712-YG-TE85L
D404 RD7.5M-T1B 3.3V OVP
D405 RD7.5M-T1B 2.5V OVP
D403 RD7.5M-T1B 6.4V OVP
JL419
IC401 TL431BCDR2 SHUNT REG
IC402 AIC1117A-50PYJTR SUBSV REG
D418 MA111-TX OR
D419 MA111-TX OR
D420 MA111-TX OR
Q407 DTC144EUA-T106 16.5V PROT
Q408 DTC144EUA-T106 6.4V PROT
Q409 DTC144EUA-T106 13V PROT
Q410 DTC144EUA-T106 INV
Q411 DTC144EUA-T106 SW
PRIMARY
SECONDARY

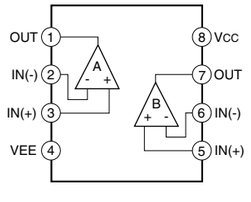
MCZ3001UB (IC350)



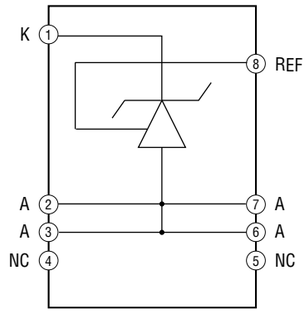
BA00ASFP-E2 (IC351)



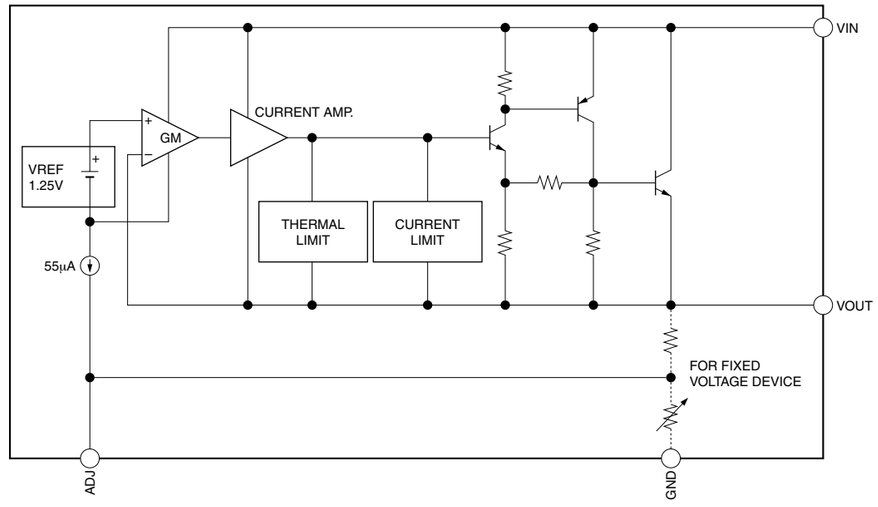
TA75W393FU-TE12R (IC400)

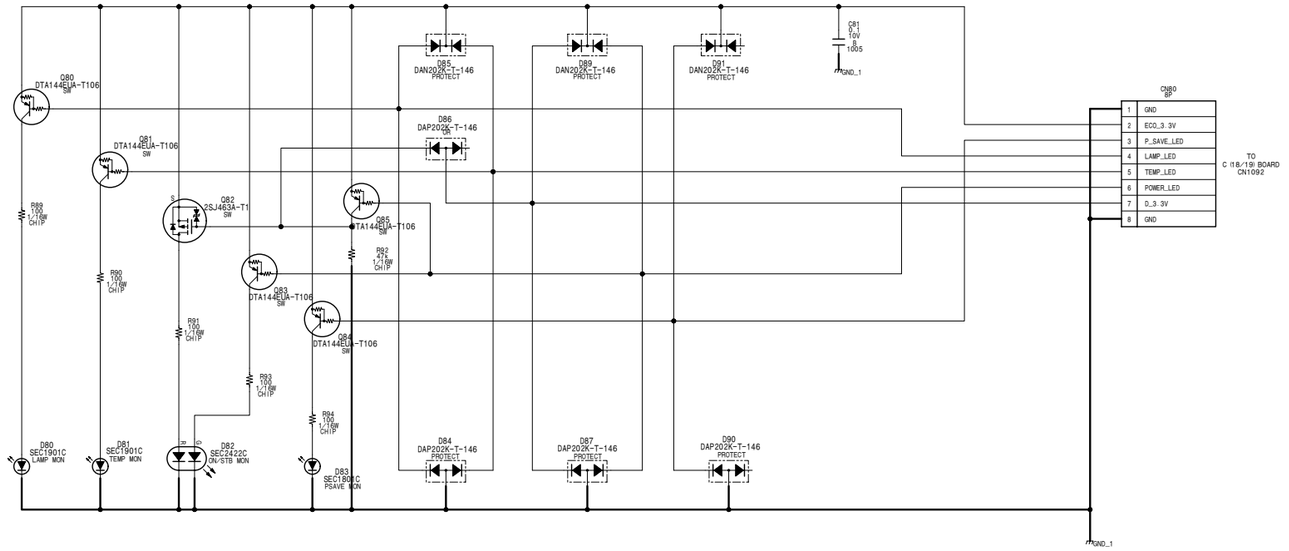


TL431BCDR2 (IC401)

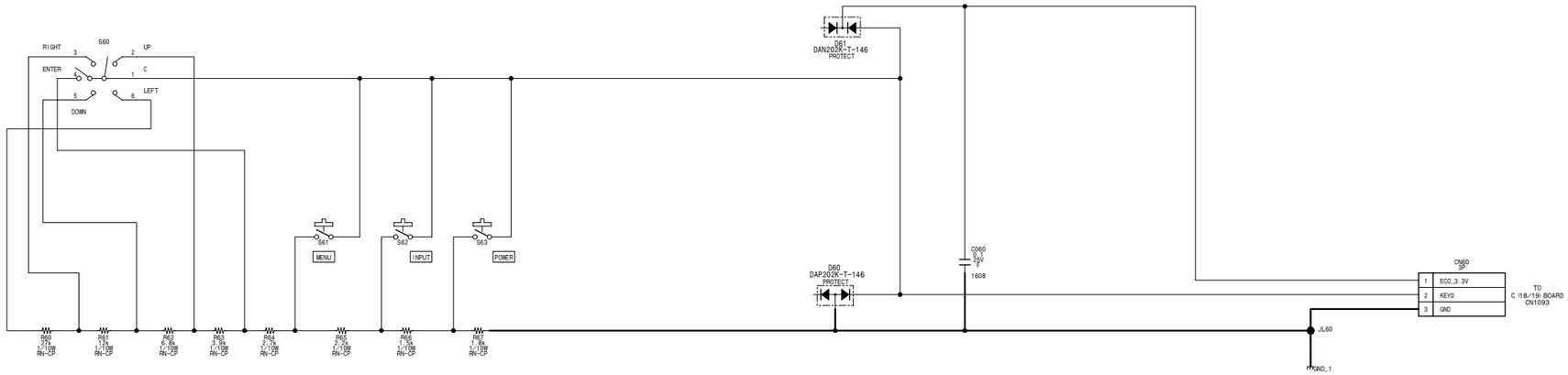


AIC1117A-50PYJTR (IC402)

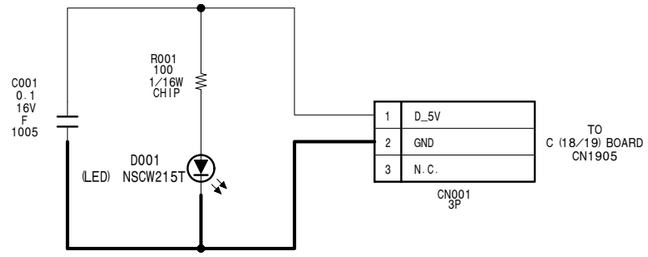



Q80 DTA144EUA-T106 SW
Q81 DTA144EUA-T106 SW
Q82 2SJ463A-T1 SW
Q85 DTA144EUA-T106 SW
Q83 DTA144EUA-T106 SW
Q84 DTA144EUA-T106 SW
R88 100 1/10W CHIP
R90 100 1/10W CHIP
R91 100 1/10W CHIP
R92 47k 1/10W CHIP
R93 100 1/10W CHIP
R94 100 1/10W CHIP
D80 SEC1901C LAMP MON
D81 SEC1901C TEMP MON
D82 SEC2422C ON-STB MON
D83 SEC1801C PSAVE MON
D85 DAN202K-T-146 PROTECT
D86 DAP202K-T-146 PROTECT
D89 DAN202K-T-146 PROTECT
D91 DAN202K-T-146 PROTECT
D84 DAP202K-T-146 PROTECT
D87 DAP202K-T-146 PROTECT
D90 DAP202K-T-146 PROTECT
C81 1 10V 0.1005
GND_1
CN80 8P
1 GND
2 ECO_3.3V
3 P_SAVE_LED
4 LAMP_LED
5 TEMP_LED
6 POWER_LED
7 D_3.3V
8 GND
TO C (18/19) BOARD CN1092

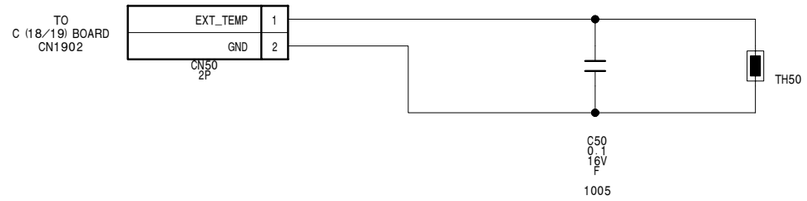
HA


RIGHT
S60
UP
ENTER
C
LEFT
DOWN
MENU
INPUT
POWER
D61
DAN202K-T-146
PROTECT
D60
DAP202K-T-146
PROTECT
C060
4pV
1608
CN60
SP
1 EC0_3. 3V
2 KEY0
3 GND
TO
C I18/18I BOARD
CN1093
JL60
GND_1

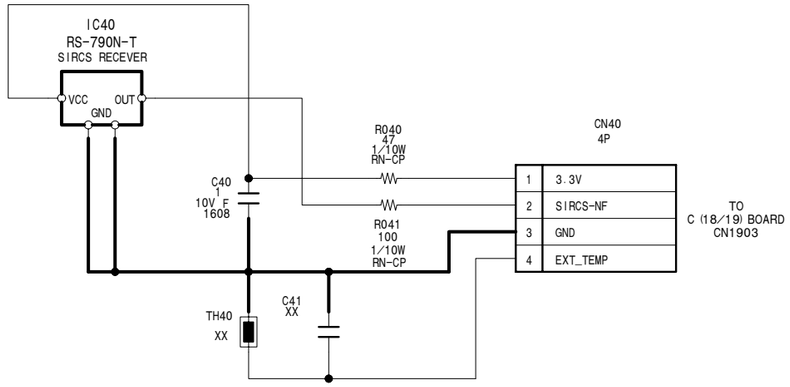
HB


C001
0.1
16V
F
1005
R001
100
1/16W
CHIP
D001
(LED) NSCW215T
1 D_5V
2 GND
3 N.C.
CN001
3P
TO
C (18/19) BOARD
CN1905

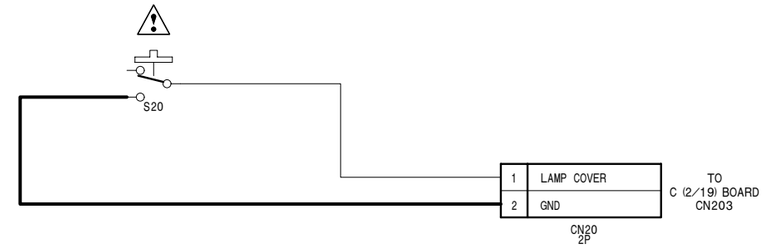
L


TO
C (18/19) BOARD
CN1902
EXT_TEMP 1
GND 2
CN50
2P
C50
0.1
16V
F
1005
TH50

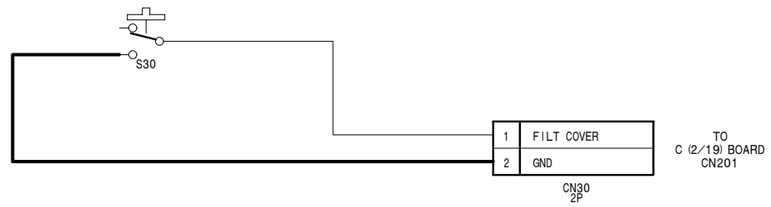
TA


IC40
RS-790N-T
SIRCS RECEVER
VCC
OUT
GND
C40
1
10V F
1608
R040
47
1/10W
RN-CP
R041
100
1/10W
RN-CP
C41
XX
TH40
XX
CN40
4P
1 3.3V
2 SIRCS-NF
3 GND
4 EXT_TEMP
TO
C (18/19) BOARD
CN1903

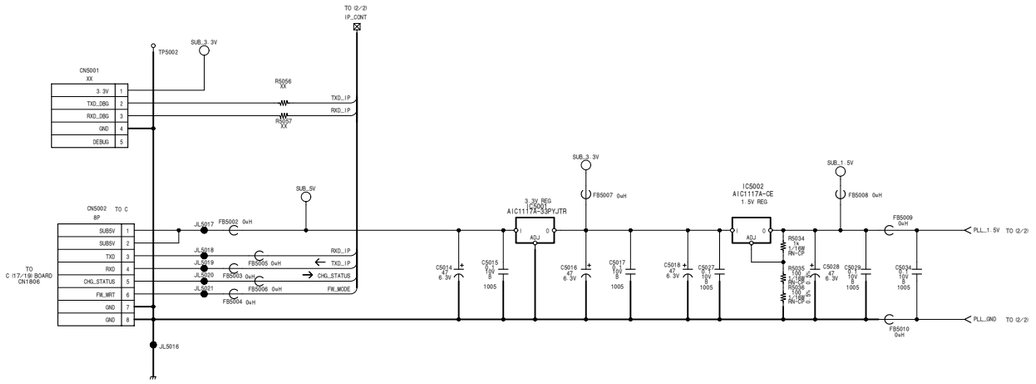
NF

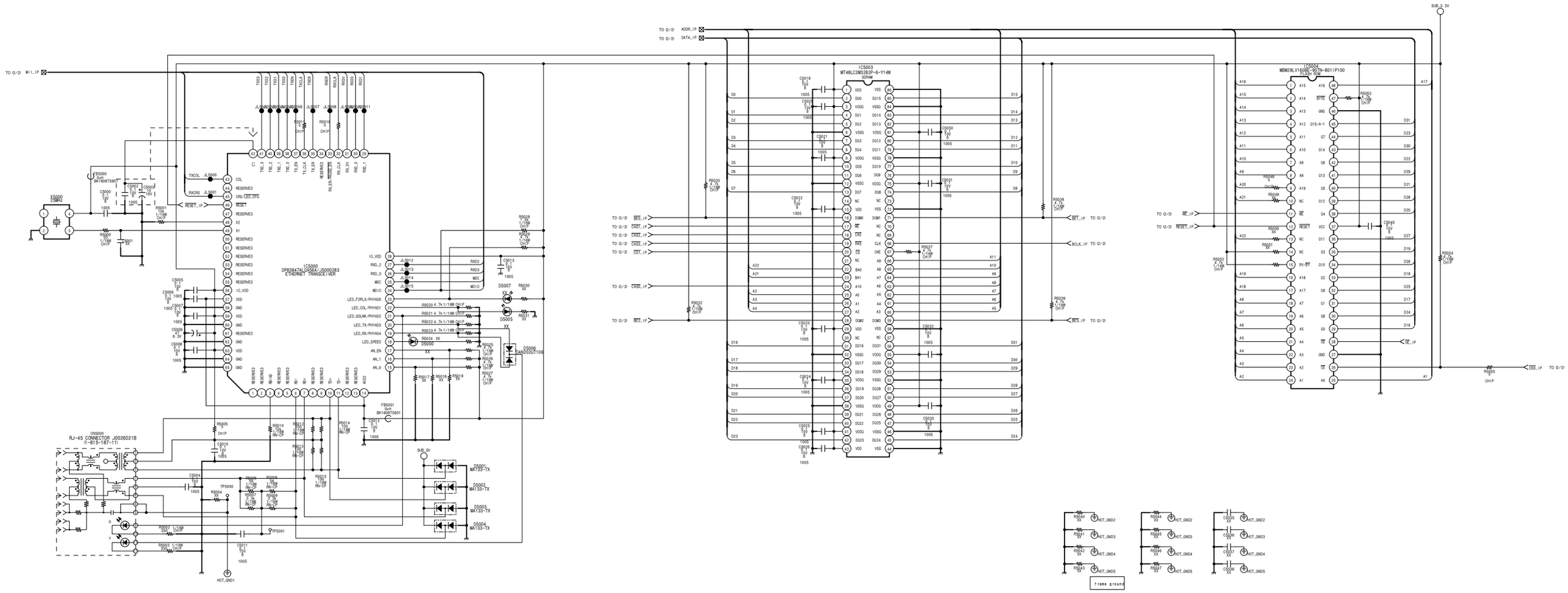

S20
1 LAMP COVER
2 GND
CN20
2P
TO
C (2/19) BOARD
CN203

U


S30
1 FILT COVER
2 GND
CN30
2P
TO
C (2/19) BOARD
CN201

V

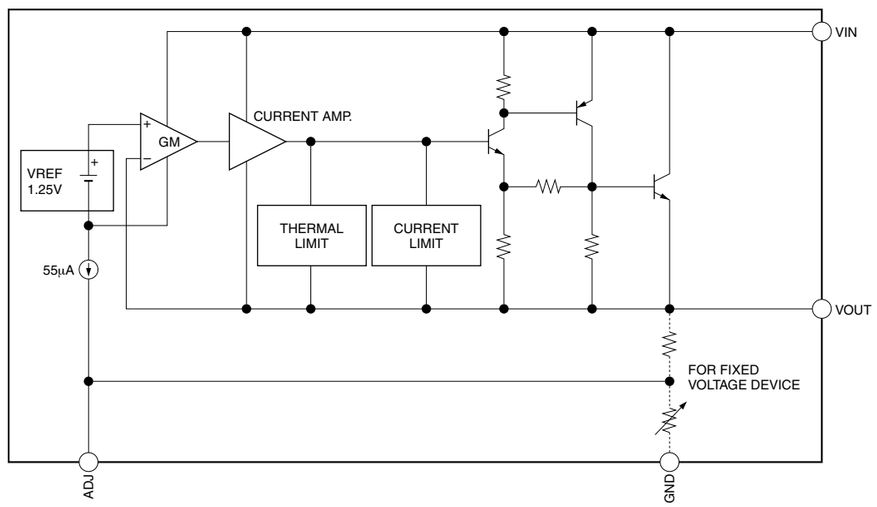




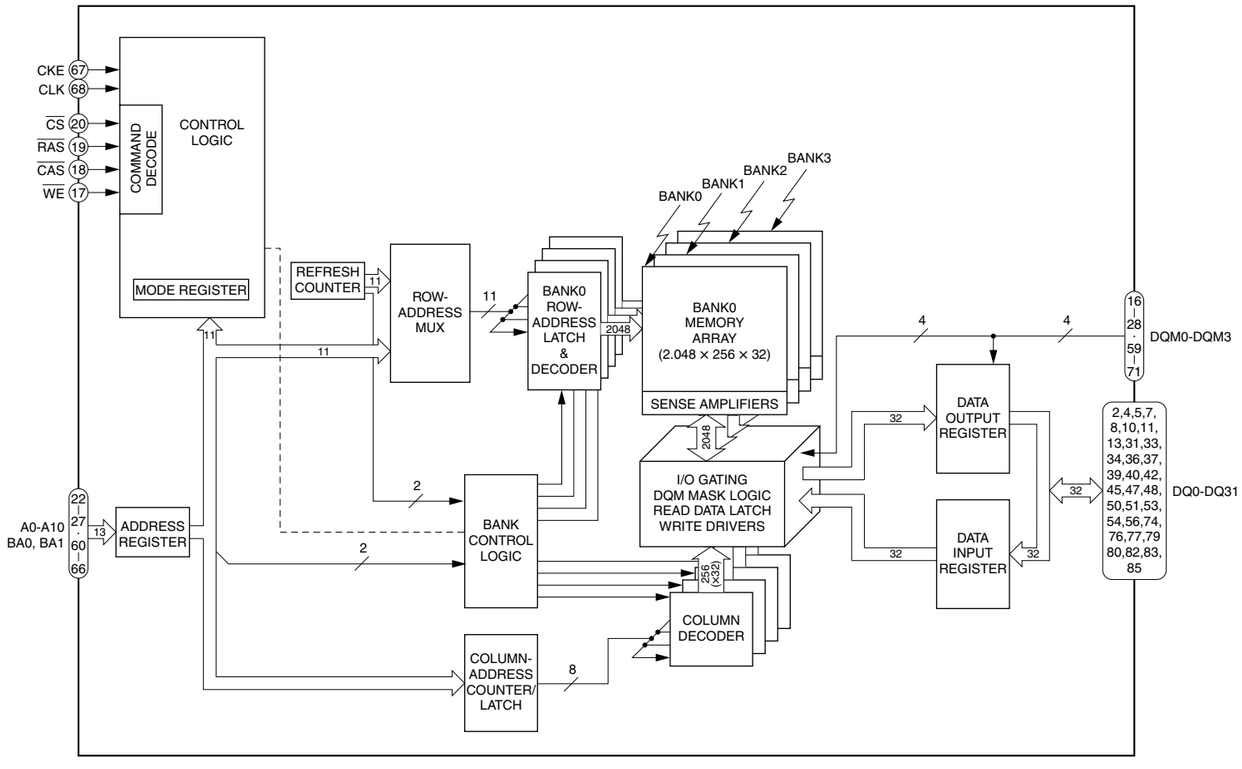
Q (1/2)
VPL-HS51A

	DEBUG	Production
U1	IC6003	NoMt
R1	R6052	NoMt
R2	R6055	0
R3	R6057	NoMt
R4	R6056	4.7k

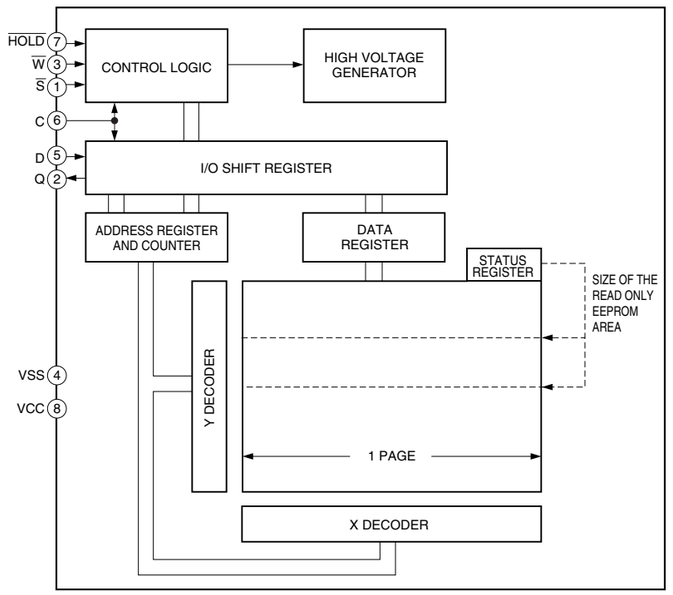
Q (1/2) AIC1117A-33PYJTR (IC5001)
Q (1/2) AIC1117A-PEJTR (IC5002)



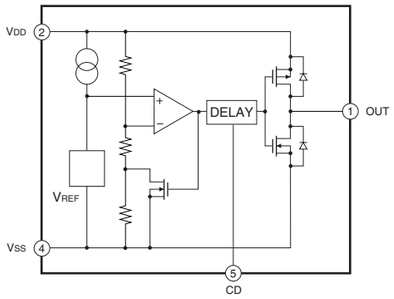
Q (1/2) MT48LC2M32B2P-6-Y14W (IC5003)



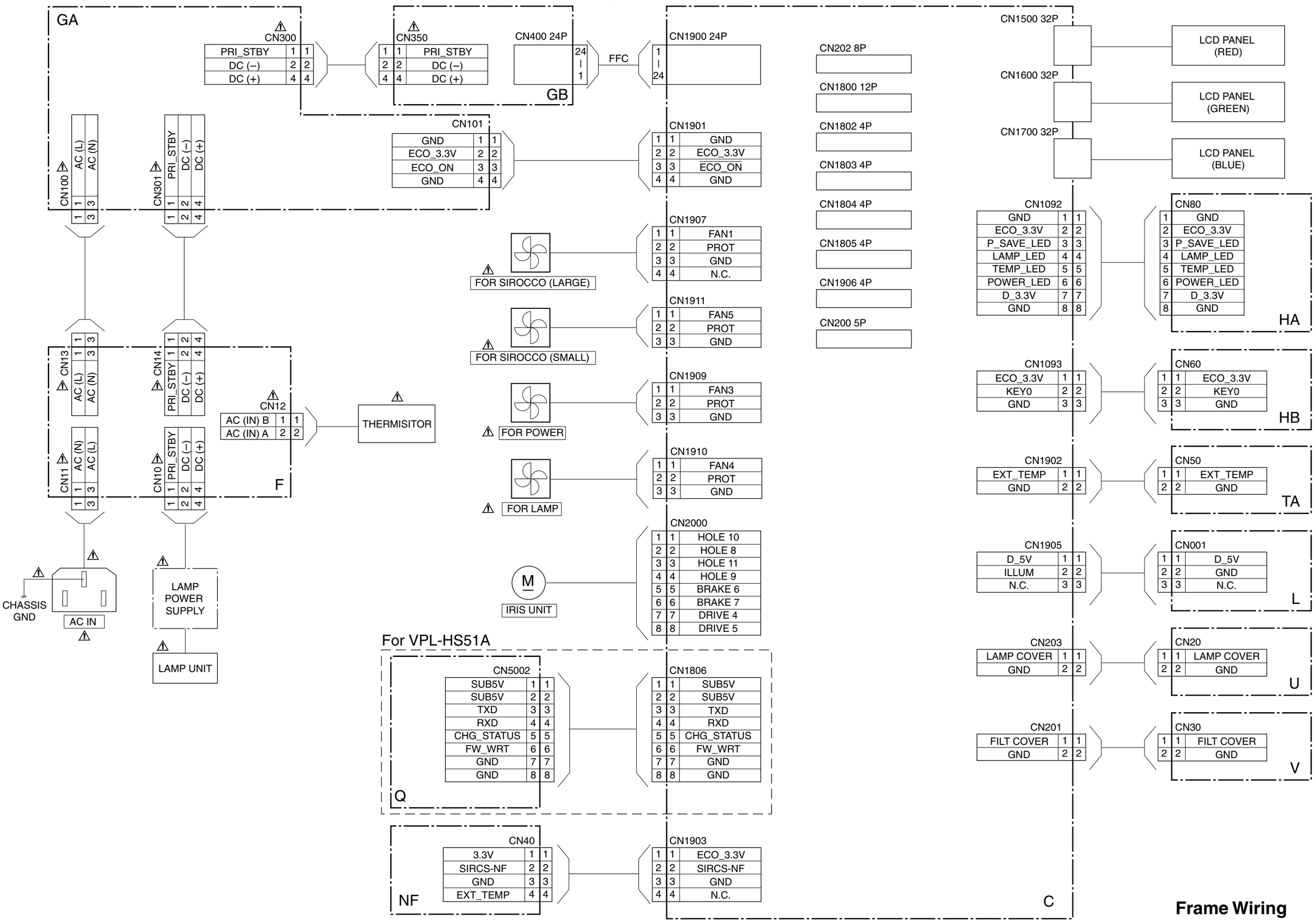
Q (2/2) M95640-WDW6TG (IC6002)



Q (2/2) S-80928CNMC-G8YT2G (IC6004)



Frame Wiring



6-38

Frame Wiring

Section 7
Board Layouts

Index

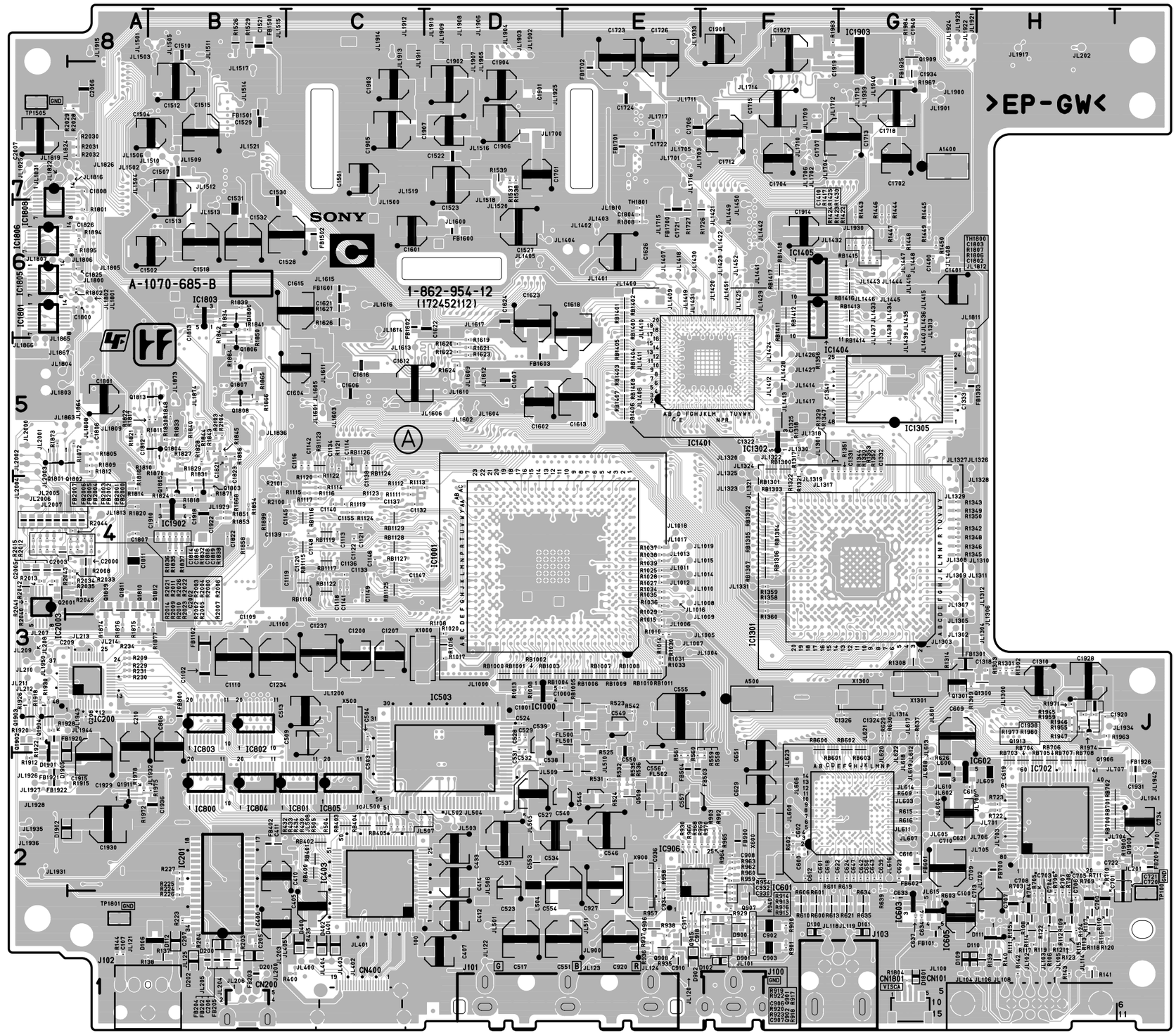
Board Name	Page
C	7-2
F	7-6
GA	7-4
GB	7-5
HA	7-6
HB	7-6
L	7-6
NF	7-6
Q (VPL-HS51A only)	7-7
TA	7-7
U	7-7
V	7-7

7-1

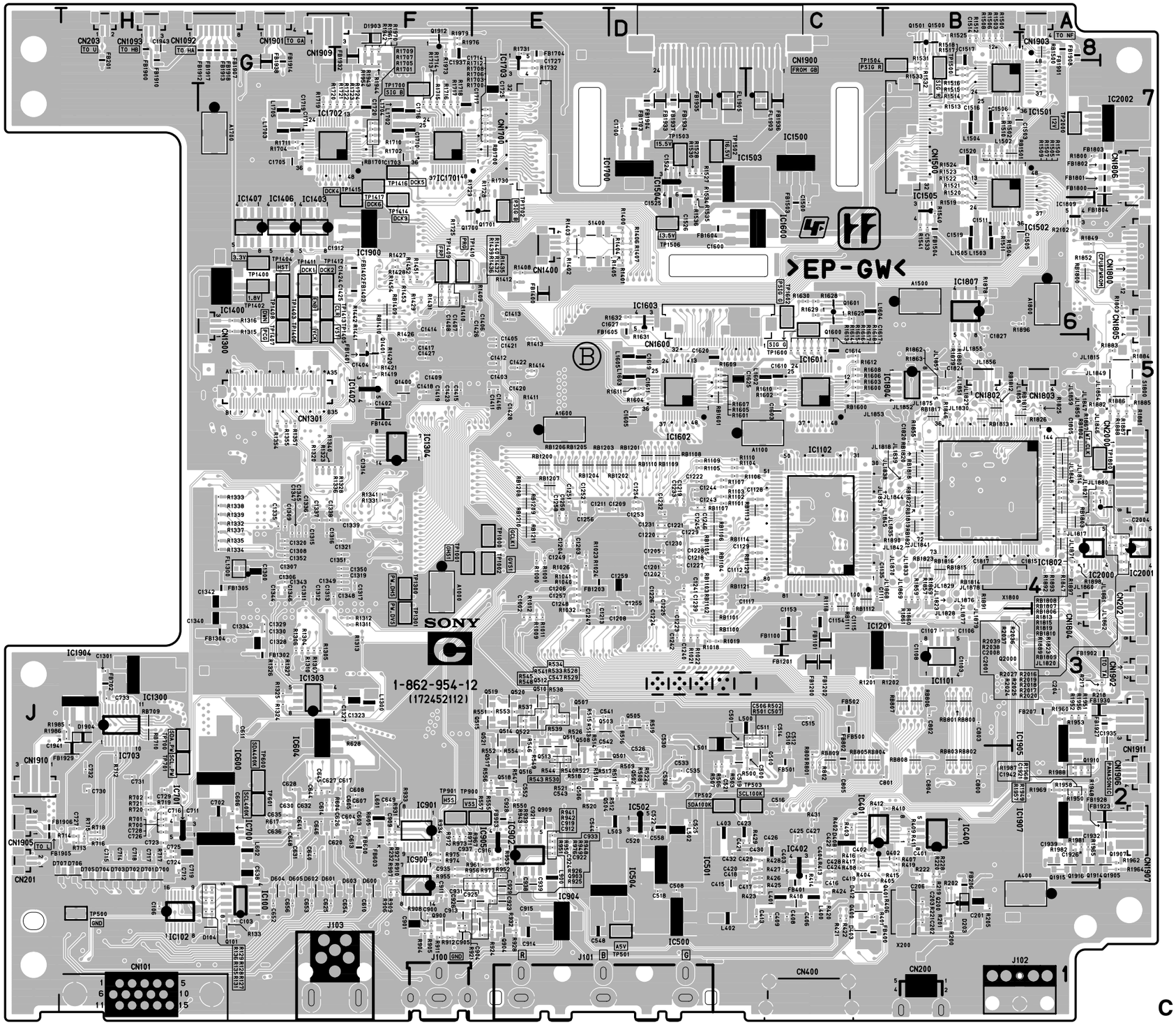
C BOARD (1-862-954-12)
---

*:B SIDE

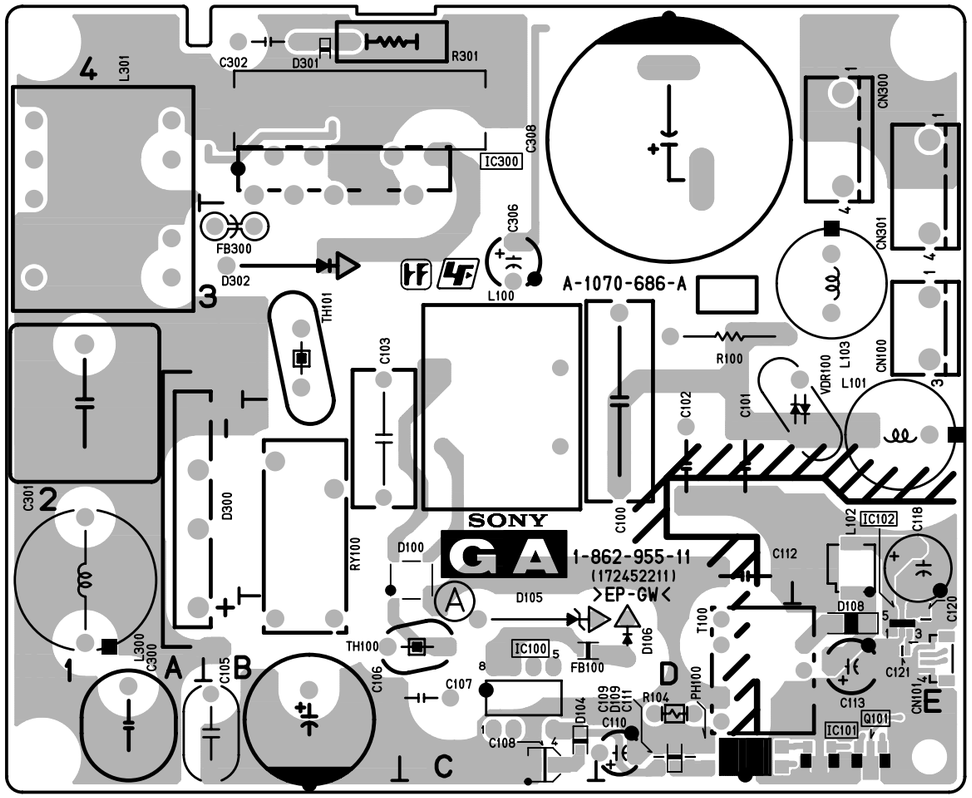
D100	F-1	IC1502	*B-7	Q1811	A-4
D101	G-1	IC1503	*D-7	Q1812	B-4
D102	F-1	IC1504	*D-7	Q1813	B-5
D104	*G-1	IC1505	*B-6	Q1900	J-2
D106	B-1	IC1600	*C-6	Q1902	A-3
D109	G-1	IC1601	*C-5	Q1903	A-3
D110	G-1	IC1602	*D-5	Q1904	A-3
D111	G-1	IC1603	*D-6	Q1905	*A-2
D112	B-1	IC1700	*D-7	Q1906	H-3
D201	B-1	IC1701	*F-7	Q1907	*A-2
D202	B-1	IC1702	*G-7	Q1909	G-8
D203	*B-1	IC1703	*E-7	Q1910	*A-2
D401	C-1	IC1801	A-6	Q1911	A-2
D402	C-1	IC1802	*B-4	Q1912	*F-8
D403	*C-1	IC1803	B-6	Q1913	H-3
D408	*C-2	IC1804	*B-5	Q1914	*A-2
D412	*C-1	IC1805	A-6	Q1915	*A-2
D700	*H-2	IC1806	A-6	Q1916	*A-2
D701	*H-2	IC1807	*B-6	Q2000	*B-3
D702	*H-2	IC1808	A-6	Q2001	A-4
D703	*H-2	IC1809	*A-6		
D704	*H-2	IC1900	*F-6	TP504	F-3
D705	*H-2	IC1902	B-4	TP1400	*G-6
D706	*H-2	IC1903	G-8	TP1401	G-7
D707	*H-2	IC1904	*H-3	TP1500	*B-7
D900	F-1	IC1905	*A-3	TP1501	*B-6
D901	F-1	IC1907	*A-2	TP1505	A-7
D902	E-1	IC2000	*A-4	TP1600	*C-6
D1800	B-6	IC2001	*A-4	TP1601	*E-5
D1801	G-1	IC2002	*A-7	TP1700	*F-7
D1901	A-2	IC2003	A-4	TP1701	*G-7
D1902	A-2			TP1800	*A-5
D1903	*F-8	Q101	*G-1	TP2000	*A-7
D1904	*H-3	Q200	*B-1		
D1905	A-2	Q400	*C-1		
		Q401	*C-1		
IC100	*G-1	Q402	*C-2		
IC102	*H-1	Q500	*C-3		
IC200	A-3	Q501	*E-2		
IC201	B-2	Q502	*D-2		
IC400	*B-2	Q503	*E-3		
IC401	*C-2	Q504	*E-2		
IC402	*C-2	Q505	*D-3		
IC403	C-2	Q506	*E-2		
IC500	*D-1	Q507	*E-3		
IC501	*D-2	Q508	*E-2		
IC502	*D-2	Q509	E-2		
IC503	D-2	Q510	*E-3		
IC504	*D-1	Q511	*E-2		
IC600	*G-2	Q512	*E-3		
IC601	F-2	Q513	*E-2		
IC602	G-2	Q514	*E-3		
IC603	G-1	Q515	*E-3		
IC604	*G-3	Q516	*E-2		
IC605	G-1	Q517	*E-2		
IC700	*G-2	Q518	*E-2		
IC701	*H-2	Q519	*E-3		
IC702	H-2	Q520	*E-3		
IC703	*H-3	Q521	*E-3		
IC800	B-2	Q522	*E-3		
IC801	C-2	Q900	*F-1		
IC802	B-3	Q901	F-1		
IC803	B-3	Q902	F-1		
IC804	B-2	Q903	*E-2		
IC805	C-2	Q904	*E-1		
IC900	*F-1	Q905	E-1		
IC901	*F-2	Q906	E-1		
IC902	*E-2	Q907	F-1		
IC904	*E-1	Q908	E-1		
IC905	*E-2	Q909	*E-2		
IC906	E-2	Q1300	H-3		
IC1000	D-3	Q1301	G-3		
IC1001	D-4	Q1400	*F-5		
IC1101	*B-3	Q1401	*F-5		
IC1102	*C-4	Q1500	*B-8		
IC1201	*C-3	Q1501	*B-8		
IC1300	*H-3	Q1600	*C-6		
IC1301	G-4	Q1601	*C-6		
IC1302	F-5	Q1700	*F-6		
IC1303	*G-3	Q1701	*E-6		
IC1304	*F-5	Q1801	A-5		
IC1305	G-5	Q1802	A-5		
IC1400	*G-6	Q1803	B-4		
IC1401	F-5	Q1804	B-5		
IC1402	*F-5	Q1805	B-4		
IC1403	*G-6	Q1806	B-5		
IC1404	F-6	Q1807	B-5		
IC1405	F-6	Q1808	B-5		
IC1500	*C-7	Q1809	A-4		
IC1501	*B-7	Q1810	A-4		



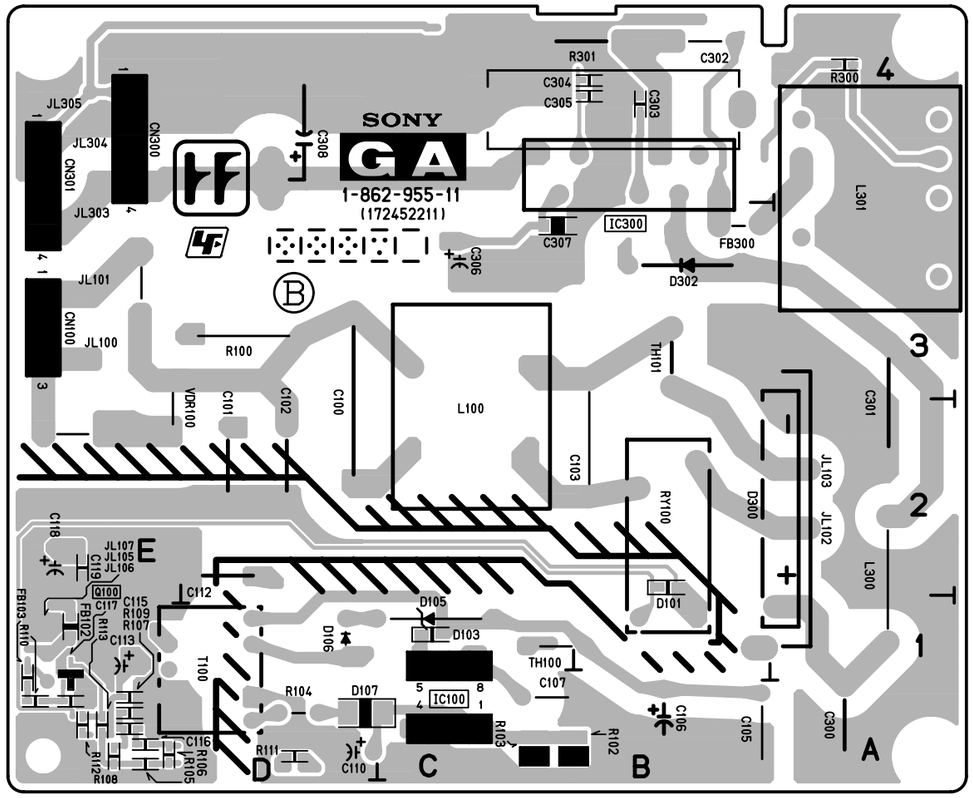
C -A SIDE-
SUFFIX: -12



C -B SIDE-
SUFFIX: -12



GA -A SIDE-
SUFFIX: -11

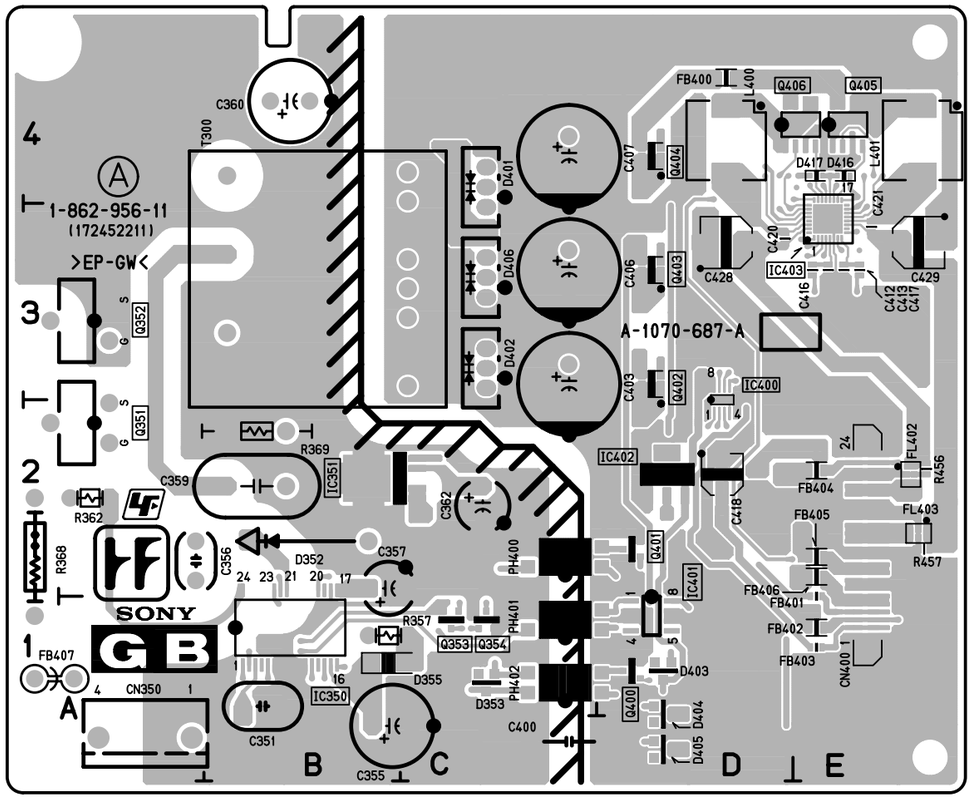


GA -B SIDE-
SUFFIX: -11

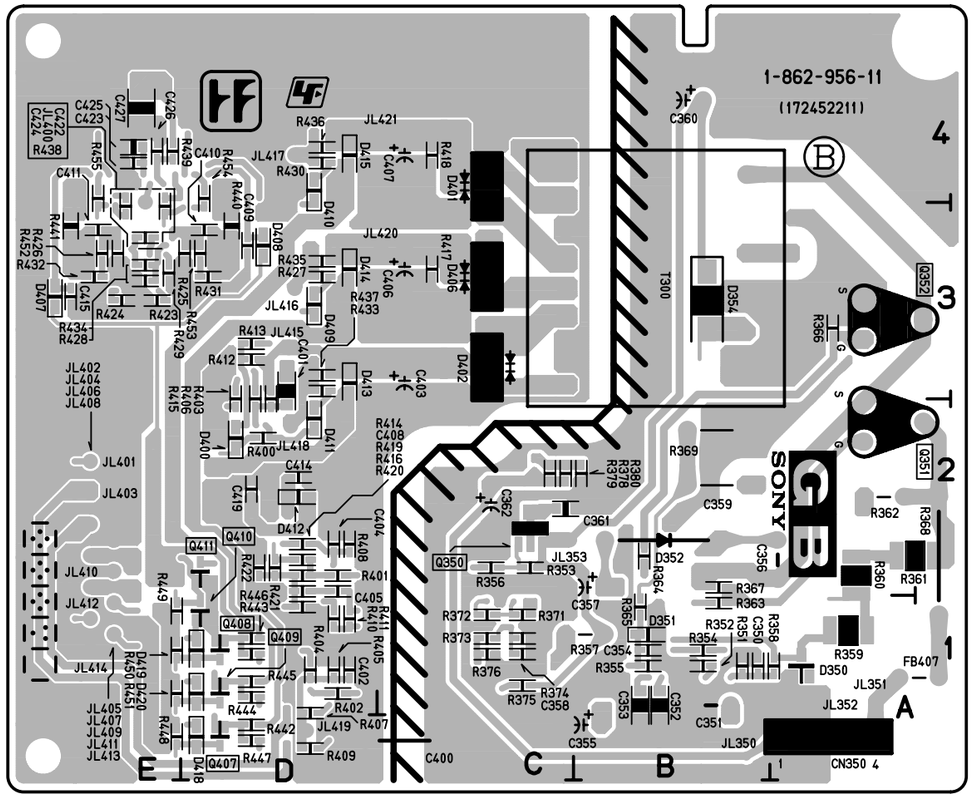
GA BOARD (1-862-955-11)
---

*:B SIDE

D100	C-2
D101	*B-2
D103	*C-1
D104	D-1
D105	C-1
D106	D-1
D107	*D-1
D108	E-1
D109	D-1
D300	A-2
D301	B-4
D302	B-3
IC100	C-1
IC101	E-1
IC102	E-1
IC300	B-4
PH100	D-1
Q100	*E-1
Q101	E-1



GB -A SIDE-
SUFFIX: -11

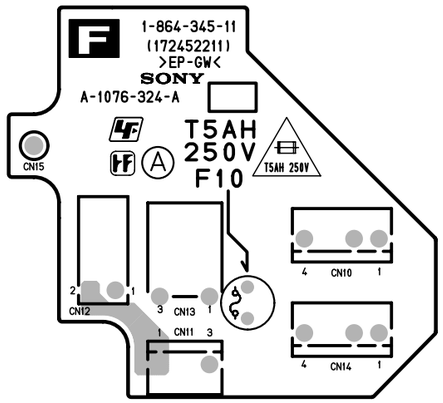


GB -B SIDE-
SUFFIX: -11

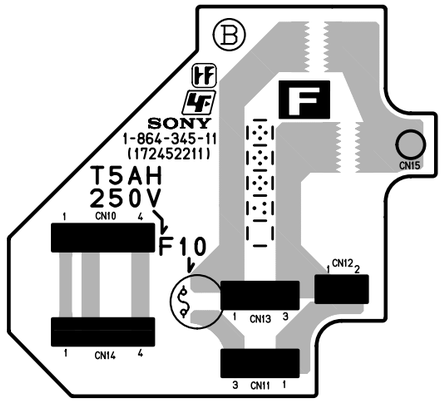
GB BOARD (1-862-956-11)
---

*:B SIDE

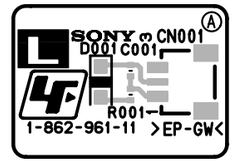
D350	*A-1	D413	*D-3	Q350	*C-2
D351	*B-1	D414	*D-3	Q351	A-2
D352	B-2	D415	*D-4	Q352	A-3
D353	C-1	D416	E-4	Q353	C-1
D354	*B-3	D417	E-4	Q354	C-1
D355	B-1	D418	*D-1	Q400	D-1
D400	*D-2	D419	*D-1	Q401	D-2
D401	C-4	D420	*D-1	Q402	D-3
D402	C-3			Q403	D-3
D403	D-1	IC350	B-1	Q404	D-4
D404	D-1	IC351	B-2	Q405	E-4
D405	D-1	IC400	D-3	Q406	E-4
D406	C-3	IC401	D-1	Q407	*D-1
D407	*E-3	IC402	D-2	Q408	*D-1
D408	*D-3	IC403	E-3	Q409	*D-1
D409	*D-3			Q410	*D-1
D410	*D-4	PH400	C-2	Q411	*D-2
D411	*D-2	PH401	C-1		
D412	*D-2	PH402	C-1		



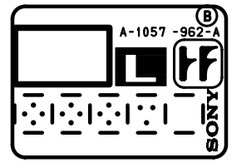
F -A SIDE-
SUFFIX: -11



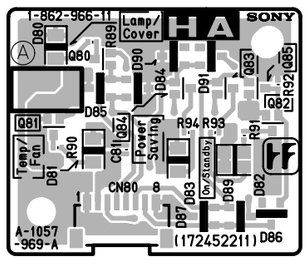
F -B SIDE-
SUFFIX: -11



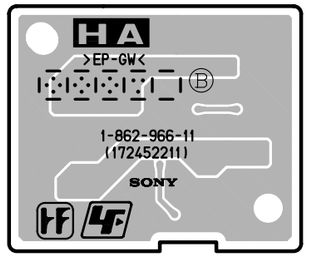
L -A SIDE-
SUFFIX: -11



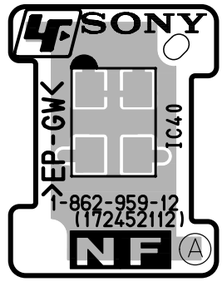
L -B SIDE-
SUFFIX: -11



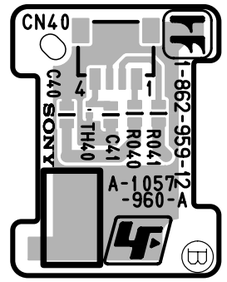
HA -A SIDE-
SUFFIX: -11



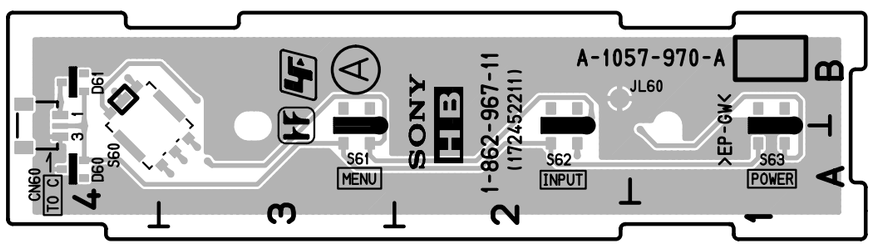
HA -B SIDE-
SUFFIX: -11



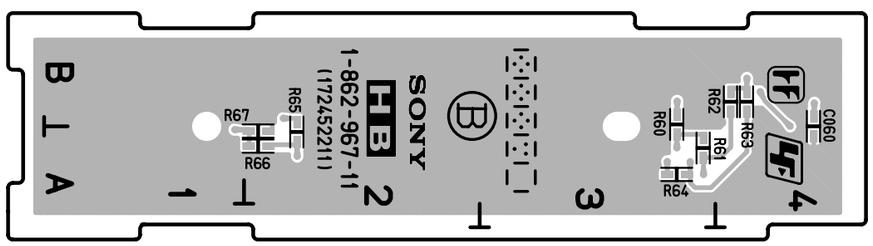
NF -A SIDE-
SUFFIX: -12



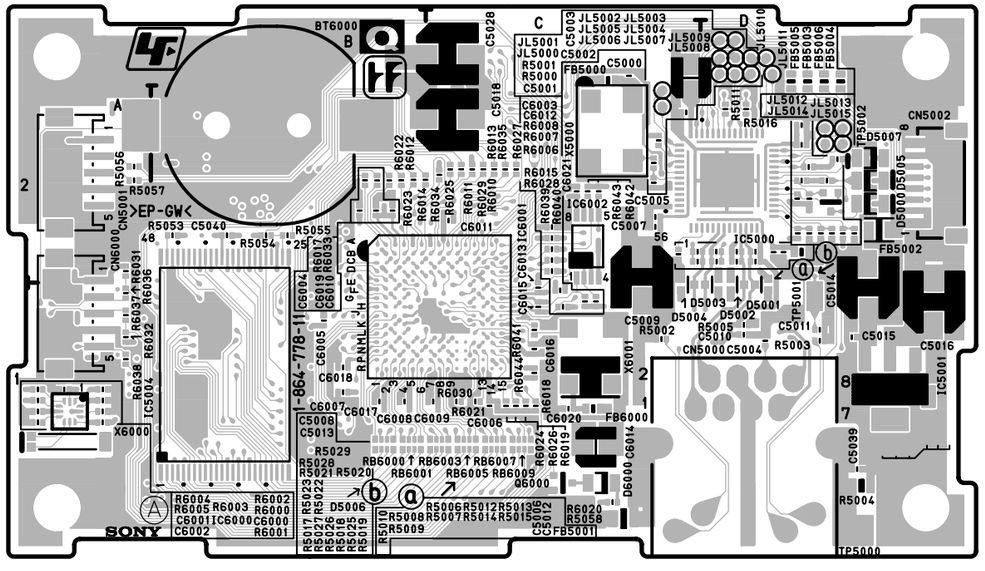
NF -B SIDE-
SUFFIX: -12



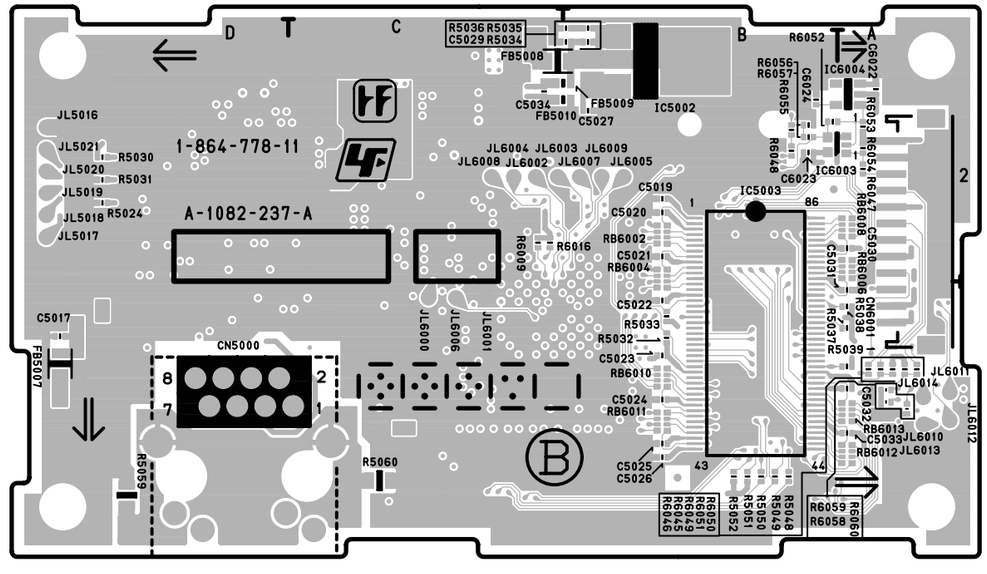
HB -A SIDE-
SUFFIX: -11



HB -B SIDE-
SUFFIX: -11



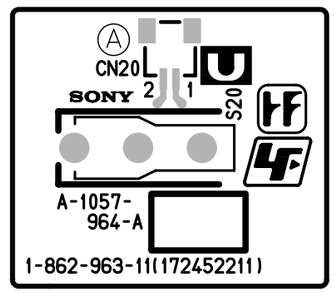
Q -A SIDE-
SUFFIX: -11
VPL-HS51A



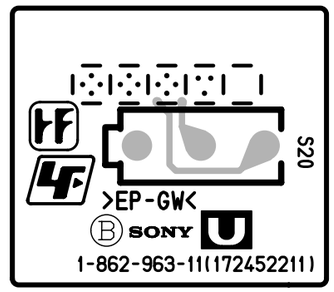
Q -B SIDE-
SUFFIX: -11
VPL-HS51A

Q BOARD (1-864-778-11)
---
*:B SIDE

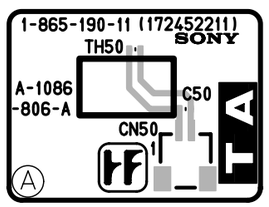
D5001	D-1	IC5004	B-1
D5002	D-1	IC6001	C-1
D5003	D-1	IC6002	C-2
D5004	C-1	IC6004	*A-2
D5006	D-2		
D6000	C-1	Q6000	C-1
IC5000	D-2	TP5000	D-1
IC5001	D-1	TP5001	D-1
IC5002	*B-2	TP5002	D-2
IC5003	*B-1		



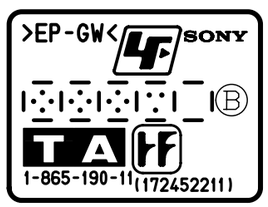
U -A SIDE-
SUFFIX: -11



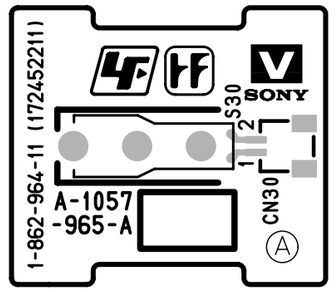
U -B SIDE-
SUFFIX: -11



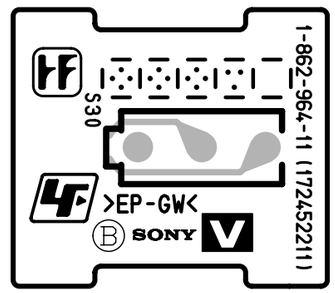
TA -A SIDE-
SUFFIX: -11



TA -B SIDE-
SUFFIX: -11



V -A SIDE-
SUFFIX: -11



V -B SIDE-
SUFFIX: -11

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

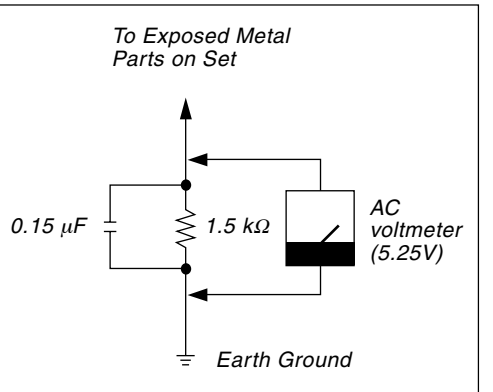


Fig A. Using an AC voltmeter to check AC leakage.

VPL-HS60 (SY)
VPL-HS51A (U) E
9-872-764-01

Sony EMCS Corporation
Ichinomiya TEC

English
2005IR08-1
©2005